

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narendar Chahal
 Paper with Code Micro Economics Class B.A. I year Session 2019-20
Micro Economics

Month	Name of Topic
July	Nature & Scope of Economics, Scarcity & choice Basic concepts of Economic system Concept of Micro and Macro Economics
August	Law of demand - Concept and determinants Elasticity of Demand - Types, Measurements Cardinal utility - Marginal and Total Utility
September	Indifference curve - Characteristics, Budget line Marginal Rate of substitution Law of Returns to Factor and Returns to Scale
October	External and internal economies Firm as an agent of Production Isoquant curves, Ridge Lines
November	Traditional & Modern Theory of Costs Break even analysis Revenue - Relation between Total, Average, Marginal
December	
January	Perfect Competition - equilibrium, Price and output determination Monopoly - Price and output determination Multiplant Monopoly
February	Monopolistic - Price and output determination Oligopoly - Price rigidity Models, Price Leadership Market Failure, Externalities, Public Policy
March	Marginal Productivity Theory Wages and Backward Bending of Supply of Labour Richardian Theory of Rent
April	Modern Theory of Rent, Quasi Rent Net and Gross Interest, Theories of Interest

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narender Chohan

Paper with Code Development Economics Class B.A III year Session 2019-20

International Economics

Month	Name of Topic
July	Features of Under Developing Countries Economic Growth & development - Determinants, obstacles, Measurement Vicious circle of Poverty
August	Balanced & Unbalanced growth - Theories & Advantages Features, Criticism, Forward, Backward linkage Lewis' Model - Process of Growth, Criticism Leibenstein's minimum effort Thesis - stages, criticism
September	Types of Natural Resources, Meaning of environment Environment - Features, Components, Scope, environment eco. Environment as Necessity and Luxury Population - Environment linkage
October	Features of environment as a Public Good Environmental Pollution - Types, causes, effect Environmental Legislation in India Sustainable Development - Indicators, Measurements
November	Importance of sustainable Development and Revision
December	
January	Inter Regional and International Trade - Merits / Demerits Comparative Cost Theory Heckscher Ohlin Theory - explanation, Comparison Rate of exchange Determination, Theories
February	Fixed and Flexible exchange rate, its Policy in India Free Trade vs Protection, Terms of Trade Exchange Control - Objectives, Methods India's Foreign Trade - Volume, Composition, Direction
March	Balance of Trade and Balance of Payments BOP in India - Causes, Measures of adverse BOP Foreign Trade multiplier - Precautions, Leakages
April	International Monetary Fund - Objectives, Functions Advantages of India, with IMF and World Bank World Trade Organisation - Management, Aggregates SAPTA - Objectives, Conferences, SAARC and India
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narendar Chahar

Paper with Code Macro Economics Class B.A. II year Session 2019-20

Macro Economics

Month	Name of Topic
July	Macroeconomics - Nature and scope National Income Accounting - Basic Concepts Measurements, Aggregates, Limitations of GDP Methods of Measurements of India National Income
August	GDP - Concepts and Aggregates Consumption - Determinants, Psychological Laws Investment - Types, Measures to stimulate Equilibrium GDP
September	Concept of Multiplier - its process Fiscal Policy - Role of Government Net export functions, Equilibrium GDP
October	Aggregate Demand and Aggregate supply AD curve and Price level changes AS in short run and long run
November	Revision and AS in short run and in long run
December	
January	Money in Modern economy - Concept, meaning Components of money supply Money-Demand, Factors, Motives of Demand Quantity Theory of money
February	Monetary Policy IS-LM Functions, Aggregate demand Trade cycle Theory of Hicks and Samuelson Harrod and Domar Growth Models
March	Gains from International Trade, Modern Theory Balance of Payments - Capital, current, Impact Fixed & Flexible rate of exchange, Equilibrium Determination Nature / scope of Public Finance
April	Principle of Maximum Social Advantage effect of Public expenditure Impact and Incidence of Taxes Characteristics of Good Taxation System
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

M. Narinder Singh

Paper with Code Business Economics 19AC103 Class B.Com I yr Session 2019-20

Indian Economy & Business Environment 19AC-202

Month	Name of Topic
July	Production Possibility Curve & Basis Problems Price Mechanism Law of Demand
August	Elasticity of Demand - Degrees & Measurement Returns to factor & Returns to Scale Isoquant curve Producer's Equilibrium
September	Cardinal Utility Analysis Indifference curve - Properties, Budget line Traditional & Modern Theory of Cost Price determination in Perfect Competition
October	Equilibrium in Perfect Competition Equilibrium in Monopoly, Price discrimination Price determination in Monopolistic Competition
November	Oligopoly - Kinked Demand curve, Models, collusive oligopoly Revision
December	
January	Business environment - Types & Components Environment Analysis - Importance & Process SWOT Analysis, NITI Aayog Economic environment
February	Unemployment - Causes & suggestions Inflation - Types, Causes, suggestions Industrial sickness Industrial Policy
March	Monetary Policy - its instruments Fiscal Policy - instruments, impact upon development International Monetary Fund & India
April	Liberalisation, Privatisation, Globalisation World Trade World Bank
May	
June	

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LESSON PLAN PERFORMA

Name of Associate Professor- Dr.Sanjay Goyal

Session: 2019-20

Class: BSc./B.A1st Year

Paper with Code: 1. Algebra (12BSM111)

2. Solid Geometry(12BSM)113 (Odd Sem.)

1.Ordinary Differential Equation(12BSM122) 2.Vector Calculus.(12BSM123) (Even Sem.)

Sr. No.	Months	Topics
1.	July	Symmetric, Skew symmetric, Hermitian and skew Hermitian matrices. Elementary Operations on matrices. Rank of a matrices. Inverse of a matrix. Linear dependence and independence of rows and columns of matrices. Row rank and column rank of a matrix. Eigenvalues, eigenvectors and the characteristic equation of a matrix.
2.	August	Minimal polynomial of a matrix. Cayley Hamilton theorem and its use in finding the inverse of a matrix., Applications of matrices to a system of linear (both homogeneous and non-homogeneous) equations. Theorems on consistency of a system of linear equations. Unitary and Orthogonal Matrices, Bilinear and Quadratic forms.
3.	September	Relations between the roots and coefficients of general polynomial equation in one variable. Solutions of polynomial equations having conditions on roots. Common roots and multiple roots. Transformation of equations.
4.	October	Nature of the roots of an equation Descarte's rule of signs. Solutions of cubic equations(Cardon's method). Biquadratic equations and their solutions. General equation of second degree. Tracing of conics. Tangent at any point to the conic, chord of contact, pole of line to the conic, director circle of conic. System of conics. Confocal conics. Polar equation of a conic, tangent and normal to the conic.
5.	November	Sphere: Plane section of a sphere. Sphere through a given circle. Intersection of two spheres, radical plane of two spheres. Co-axial system of spheres Cones. Right circular cone, enveloping cone and reciprocal cone. Cylinder: Right circular cylinder and enveloping cylinder.
6.	December	Examination

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7.	January	Geometrical meaning of a differential equation. Exact differential equations, integrating factors. First order higher degree equations solvable for x, y, p Lagrange's equations, Clairaut's equations. Equation reducible to Clairaut's form. Singular solutions. Orthogonal trajectories: in Cartesian coordinates and polar coordinates. Self orthogonal family of curves.. Linear differential equations with constant coefficients.
8.	February	Homogeneous linear ordinary differential equations. Equations reducible to homogeneous linear ordinary differential equations. Linear differential equations of second order: Reduction to normal form. Transformation of the equation by changing the dependent variable/ the independent variable. Solution by operators of non-homogeneous linear differential equations.
9.	March	Reduction of order of a differential equation. Method of variations of parameters. Method of undetermined coefficients. Ordinary simultaneous differential equations. Solution of simultaneous differential equations involving operators $x (d/dx)$ or $t (d/dt)$ etc. Simultaneous equation of the form $dx/P = dy/Q = dz/R$. Total differential equations.
10.	April	Condition for $Pdx + Qdy + Rdz = 0$ to be exact. General method of solving $Pdx + Qdy + Rdz = 0$ by taking one variable constant. Method of auxiliary equations. Scalar and vector product of three vectors, product of four vectors. Reciprocal vectors.
11.	May	Vector differentiation. Scalar Valued point functions, vector valued point functions, derivative along a curve, directional derivatives.
12.	June	Summer Vacation
13.	July	Examination

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LESSON PLAN PERFORMA

Name of Associate Professor- Dr. Shruti Rani

Session: 2019-20

Class: BSc 1st Year

Paper with Code: 1. Calculus (12BSM112)

2. Solid Geometry(12BSM)113 (Odd Sem.)

1. Number Theory and Trigonometry(12BSM121) 2. Vector Calculus.(12BSM123) (Even Sem.)

Sr. No.	Months	Topics
1.	July	Introduction of Differentiation and Integration, Chapter 1: Limit, continuity, differentiability
2.	August	Chapter 2: Successive differentiation, Leibnitz theorem. Revision Chapter 3: Some general theorems on differentiable functions and expansions Chapter 4: Asymptotes, Revision
3.	September	Chapter 5: Curvature Chapter 6: Singular Points Chapter 7: Curve Tracing, Revision
4.	October	Chapter 8: Reduction Formulae, Chapter 9: Rectification Chapter 10: Quadrature Chapter 11: Volumes and surfaces of Solids of Revolution, Revision
5.	November	Central Conicoids, Equation of tangent plane, Director sphere, Normal to the conicoids, Enveloping Cone of Conicoids, Paraboloids, Plane sections of conicoids, Generating Lines, Confocal Conicoids Reduction of second degree equation, Revision
6.	December	Examination
7.	January	Divisibility, Greatest common divisor, Least common multiple, Primes, Fundamental theorem of Arithmetic, Linear congruencies, Fermat's theorem, Wilson theorem and its converse, Revision
8.	February	Complete residue system and reduced residue system modulo m, Euler's function and Euler generalization of Fermat's theorem, Chinese Remainder theorem, Quadratic Residues, Legendre Symbol, Gauss's Lemma, Gauss reciprocity law, Greatest integer function, Divisor function, Sum Function, Revision
9.	March	Gauss reciprocity law, Greatest integer function, Divisor function, Sum Function, De Moivre's theorem and its applications, Expansion of trigonometric functions, Direct circular and hyperbolic functions and their properties, Logarithm of a complex quantity, Gregory's series, Summation of trigonometric series, Revision
10.	April	Orthogonal Curvilinear Coordinates, Conditions for orthogonality fundamental triad of mutually orthogonal unit vectors. Gradient, Divergence, Curl and Laplacian

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		operator in terms of orthogonal curvilinear coordinated , ,Revision
11.	May	Cylindrical Coordinates and Spherical Coordinates, Vector Integration, Theorem of Gauss, Green and Stokes and problems based on these theorems Revision
12.	June	Summer Vacation
13.	July	Revision and Assignments and Online Survey
14	August	Examination

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LESSON PLAN PERFORMA

Name of Associate Professor- Dr. Shruti Rani

Session: 2019-20

Class: BSc IIInd year

Paper with Code:

1. Partial Differential Equations (12BSM232)

2. Statics (12BSM)233 (Odd Sem.)


1. Special Functions and Integral Transforms (12BSM242)

2. Programming in C and Numerical Methods (12BSM243) (Even Sem.)

Sr. No.	Months	Topics
1.	July	Partial differential equations: Formation, order and degree, Linear and Non-Linear Partial differential equations of the first order: Complete solution, singular solution, General solution, Solution of Lagrange's linear equations, Charpit's general method of solution. Compatible systems of first order equations, Jacobi's method. Revision
2.	August	Solution of Lagrange's linear equations, Charpit's general method of solution. Compatible systems of first order equations, Jacobi's method. Linear partial differential equations of second and higher orders, Linear and non-linear homogenous and non-homogenous equations with constant coefficients, Revision
3.	September	Partial differential equation with variable co-efficients reducible to equations with constant coefficients, their complimentary functions and particular Integrals, Equations reducible to linear equations with constant co-efficients. Classification of linear partial differential equations of second order, Hyperbolic, parabolic and elliptic types, Virtual work. Revision
4.	October	Reduction of second order linear partial differential equations to Canonical (Normal) forms and their solutions, Solution of linear hyperbolic equations, Monge's method for partial differential equations of second order. Forces in three dimensions. Poinots central axis Revision
5.	November	Method of separation of variables: Solution of Laplace's equation, Wave equation (one and two dimensions), Diffusion (Heat) equation (one and two dimension) in Cartesian Co-ordinate system. Wrenches. Null lines and planes. Stable and unstable equilibrium Revision
6.	December	Examination
7.	January	Series solution of differential equations – Power series method, Definitions of Beta and Gamma functions. Bessel equation and its solution: Bessel functions and their properties-Convergence, recurrence, Relations and generating functions, Orthogonality of Bessel functions. Legendre and Hermite differentials equations and their solutions: Legendre and Hermite functions and their properties-Recurrence Relations and generating functions.
8.	February	Orthogonality of Legendre and Hermite polynomials. Rodrigues' Formula for Legendre & Hermite Polynomials, Laplace Integral Representation of Legendre

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		<p>polynomial. Laplace Transforms – Existence theorem for Laplace transforms, Linearity of the Laplace transforms, Shifting theorems, Laplace transforms of derivatives and integrals, Differentiation and integration of Laplace transforms, Convolution theorem,</p> <p>Solution of Algebraic and Transcendental equations: Bisection method, Regula-Falsi method, Secant method, Newton-Raphson's method. Newton's iterative method for finding pth root of a number, Order of convergence of above methods.</p>
9.	March	<p>Inverse Laplace transforms, convolution theorem, Inverse Laplace transforms of derivatives and integrals, solution of ordinary differential equations using Laplace transform. Laplace Transforms – Existence theorem for Laplace transforms, Linearity of the Laplace transforms, Shifting theorems, Laplace transforms of derivatives and integrals, Differentiation and integration of Laplace transforms, Convolution theorem, Inverse Laplace transforms, convolution theorem, Inverse Laplace transforms of derivatives and integrals, solution of ordinary differential equations using Laplace transform.</p>
10.	April	<p>Fourier transforms: Linearity property, Shifting, Modulation, Convolution Theorem, Fourier Transform of Derivatives, Relations between Fourier transform and Laplace transform, Parseval's identity for Fourier transforms, solution of differential Equations using Fourier Transforms.</p>
11.	May	<p>Simultaneous linear algebraic equations: Gauss-elimination method, Gauss-Jordan method, Triangularization method (LU decomposition method). Crout's method, Cholesky Decomposition method. Iterative method, Jacobi's method, Gauss-Seidal's method, Relaxation method. Revision</p>
12.	June	Summer Vacation
13.	July	Revision and Assignments and Online Survey
14.	August	Examination


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Name of Asstt,Professor	Dr. Seema Bansal		Session 2019-20
Paper with code	1. Advanced Calculus(BM 231) (BM 233) (odd sem.)	2.Statics 1.Real Analysis (BM 351) 2.Numerical Analysis (BM 353) (odd sem.)	2. 1.Real and Complex Analysis (BM 361) Dynamics (BM 363) (even sem.)
Class	B.A/B.Sc N.M IIInd Year		B.A/B.Sc N.M IIIrd Year
Month	Name of the Topic		
July	Continuity, Sequential continuity, properties of continuous functions, uniform continuity, chain rule of differentiability, mean values theorems, Rolle's theorems and lagranges mean value theorem and their geometrical interpretations, Taylor's theorem with various forms of remainder, Darboux intermediate value theorem for derivatives, indeterminate forms	Riemann integral, integrability of continuous and monotonic functions, the fundamental theorem of integral calculus, mean value theorems of integral calculus.improper integral and their convergence, comparison test, Abel's and Dirichlet's tests, Frullani's integral .	
Aug	Limit and continuity of real value functions of two variables, Partial differentiation, total differentials, composite functions and implicit functions, change of variables, homogeneous functions and Euler's theorem on homogeneous functions, Taylors theorem for functions of variables of two variables.	Integral as a function of a parameter, continuity, differentiability and integrability of an integral of a function of a parameter. Definition and examples of metric spaces, neighbourhood, limit points, interior points, open and close sets, closure and interior, boundary points.	


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Sept.	<p>Differentiability of real valued functions of two variables, Schwarz and Young theorem, implicit function theorem, maxima, minima and saddle point of two variables, Lagrange's method of multipliers.</p>	<p>Subspaces of a metric space, equivalent metrics, Cauchy sequences, completeness, Cantor's intersection theorem, Baire's category theorem, contraction principle.</p> <p>Continuous function, uniform continuity, compactness for metric spaces, sequential compactness, Bolzano Weierstrass property, total boundedness, Finite intersection property, total continuity in relation with compactness, connectedness, components, continuity in relation with connectedness.</p>
October	<p>Curves: Tangents, principal normal, binormals, Serret-Frenet formulas, locus of centre of curvature, spherical curvature, locus of centre of spherical curvatures, involutes, evolutes, Bertrand curves, surfaces: tangent planes, one parameter family of surfaces</p>	<p>Finite Difference operators, Interpolation with equal intervals, Interpolation with unequal intervals, central difference interpolation formulae, Probability Distributions.</p>
Nov.	<p>Composition and resolution of forces, Parallel forces, Moments and couples. Analytical conditions of equilibrium of coplanar forces, Friction, Centre of gravity.</p>	<p>Practicals based on Numerical Analysis in programming in C.</p>
December	Exam	Exam
January	<p>Boundedness of the set of real numbers, least upper bound, greatest lower bound of a set, neighbourhoods, interior points, isolated points, limit points, open sets, closed set, interior of a set, closure of a set in real numbers and their properties, Bolzano-Weierstrass theorem, open covers, compact sets and Heine-Borel theorem. Sequences: Real sequences and their convergence, Theorems on limits of sequence, bounded and monotonic sequences, Cauchy's sequence, Cauchy general principle of convergence, subsequences, subsequential limits.</p>	<p>Jacobians, beta and gamma functions, double and triple integral, Dirichlet's integral, change of order of integration in double integral. Fourier's series: Fourier expansions of piecewise monotonic functions, properties of Fourier coefficients, Dirichlet's conditions, Parseval's identity for Fourier's series, Fourier's series for Even and Odd functions, half range series, change of intervals.</p>

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	<p> Harmonic series, p-series, D'Alembert's ratio test, Raabe's test, logarithmic test, De Morgan and Bertrand's test, Cauchy's integral test condensation test. </p>	
March	<p> Alternating series: Leibnitz's test, absolute and conditional convergence, Dirichlet's test, insertion and removal of parenthesis, rearrangement of terms in a series, Dirichlet's theorem, Riemann's rearrangement theorem, Pringsheim's theorem, multiplication of series, Cauchy's product of series, Convergence and </p>	<p> Mapping by elementary functions : translation, rotation, magnification and inversion conformal mapping, mobius transformation, fix points, cross ratio, inverse points and Critical mappings. </p>
April	<p> absolute convergence of infinite product Computer's: A general introduction, Introduction to C, Data-Type, Operators, </p>	<p> Velocity and acceleration along radial, transverse, tangential and normal direction, relative velocity and acceleration, SHM, elastic strings. </p>
May	<p> Decision Control Structures, loops, functions, Arrays, Pointers and files in C </p>	<p> Mass, Momentum and force, Newton's laws of motion, Work, Power and energy, Definitions of conservative forces and impulsive forces. </p>
June	<p> Summer Vacation </p>	<p> Summer Vacation </p>
July	<p> Revision and Assignments and online Survey </p>	<p> Revision and Assignments and online Survey </p>
August	<p> Exam </p>	<p> Exam </p>

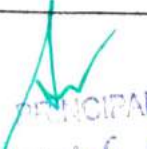
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Bhanwar Singh

Paper with Code 20UMTH 101, 202 Class B.Sc Ist Session 2019-20

ad B.Sc IIIrd 12 BSM 352, 362

Month	Name of Topic	
July	B.Sc Ist	B.Sc IIIrd
August	Algebra of matrix, rank of matrix, inverse, L.D, L.U, eigen vector and the character of eqn. Cayley Hamilton th.	Definition of a group with example. with subgroups, cyclic group, cosets, index of a subgroups, Lagrange's th. Normal subgroups, Quotient group.
September	Application of matrix to a system of linear, Unitary and orthogonal matrix, bilinear and quadratic forms.	Homomorphism, isomorphism, automorphism and inner automorphism of a group, permutation groups, Cayley's th.
October	Relations between the roots and coefficients of general poly. eqn. in one variable, Transform of eqn.	Rings, subrings, integral domains of field, Ring homomorphism, Quotient Ring.
November	Nature of the roots of an eqn. Descartes rule of signs. Cardan's Method.	Euclidean Rings, Poly. Rings, Poly. over the rational field, Poly. ring over the commutative rings.
December	Exam	Exam
January	Gradient of a scalar point fun. Directional derivatives, Direction of gradient of point of fun. Laplacian operation	vector spaces, subspaces, linear span, L.D, L.U, finitely generated vector space, Existence th. for Quotient space and its dim.
February	Orthogonal curvilinear coordinates Gradient Divergence, curl and Laplacian operation, cylindrical coordinates and spherical coordinates	Homomorphism and isomorphism of vector space, Linear Transformation Dual space, Null space, Rank and Nullity th.
March	vector Integration line Integral Volume Integral, Green and Stokes th.	Algebra of L.T, Singular and Non Singular L.T, matrix of L.T, change of basis.
April	General eqn. of second degree Tracing of conics, Chord of Contact, Pole of line to the conic	Eigen value and Eigen vectors of L.T, inner Product Space, Cauchy-Schwarz inequality, Bessel's inequality
May	Exam	Exam
June		 PRINCIPAL Vaish College, BHIWANI

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LESSON PLAN PERFORMA

20/9-20

Name of Assistant/Associate Professor Dr. Smita Goyal
 Paper with Code English Class B.CC-1B Session 2018-20

Month	Name of Topic	Book
1 st Sem	<u>Chronicles of Time</u>	
July	Introduction of Shakespearean Sonnet & Poems: 1. Let me Not To The Marriage...	Question/Answers
August	Poems: 2. Death Be Not Proud 3. on His Blindness 4. The Retreat 5. Chadwell	Question/Answers + explanation + vocabulary
September	Poems: 6. Know Them Thyself 7. The Little Black Boy 8. Three years she grew...	+ explanation + Question/Answers
October	Poems: 9. England in 1819 10. Crossing The Bar	+ phrase verbs + prep. & common errors
November	Paragraph Writing; Translation (Hd. to English) Revision of the poems with Ref. to the context	
December	Examinations & winter Break.	
2 nd Sem	<u>Ideas</u> → <u>Agrio</u>	
January	Introduction to essay as an "art form." essay 1 - Our civilization	+ Text explanation & Question/Answers.
February	essay 2 - It's Question Time essay 3 - An interview ... 4. Untouchability and ...	Question/Answers. + Translation (Eng) + Practice of Precis
March	essay 5. Inhumanisation of war 6. seven types of Gender inequality + official letter writing.	+ explanation of the text & answer
April	Double clearance; class tests, Revision of all the essays & exam tips.	
May		
June		

Smita

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Sanita Goyal 20/9-20
 Paper with Code English Class B.A III Session 2018-19

Month	Book Name of Topic	Session	
July	<p><u>"Kanthapura"</u> - Book</p> <ul style="list-style-type: none"> Introduction of <u>Kanthapura</u> Text from ch. I - III Explanation + Q/Answers Text from ch. IV - VI with explanation & Ques/Answers Text ch. VII - IX with Q/Answers & explanation Text ch. X - XII Ques/Answers & explanation Text ch. XIV - XIX Q/Answers 	<ul style="list-style-type: none"> Story writing Def. & Non Defining Cl. 	
August		<ul style="list-style-type: none"> Paragraph writing conditional clauses. 	
September		<ul style="list-style-type: none"> Poetic writing 	
October		<ul style="list-style-type: none"> characters Analysis. Conversion of sentences Comprehension Passages Practised. 	
November		<ul style="list-style-type: none"> Literary Terms 	
December		<p>Reference to the context; Revision of syllabus Examination & Vacation</p>	
January		<p><u>"The Merchant of Venice"</u></p> <ul style="list-style-type: none"> Introduction to the play; Act I with exercise & Characters' Analysis of <u>"The Merchant of Venice"</u> 	<p><u>"The Merchant of Venice"</u></p>
February		<ul style="list-style-type: none"> Practice of official writing, Text & explanation of Act I (SC. I to IX). Ques/Answers. 	
March		<ul style="list-style-type: none"> Act - III explanation, Q/Answers. (SC. I to V) One word substitution; Discussion of characters. 	
April		<ul style="list-style-type: none"> Act - IV & V explanation, Ques/Answers. Characters' Analysis. Poetic writing; summarising. 	
May		<ul style="list-style-type: none"> Revision of the play class test (characters) Doubts session. 	
June		<p>Summer Break.</p>	

Sanita


 Sanita Goyal
 English

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Name of Assistant/Associate Professor Dr. Sarita Goyal

20/8-20

Paper with Code English

Class BA 1

Session 2018-19

Sem I

Month	Books: 1. Literature & Language I 2. Literature & Language II Name of Topic
July	Discussion of syllabus, Paper Pattern. Ch. I - Speech sounds - explanation & exercises. Ch. II - Choosing our universe - exercises.
August	Ch. III - Aae Haras the Temples of modern India - ex. Ch. IV - The Generation Gap - exercises. Transcription - Practice.
September	Ch. V - Language & National Identity - exercise Ch. VI - Wounded Plants - exercise Pronoun & Adjectives Practice.
October	Ch. VII - Playing the English Gentleman - ex. Ch. VIII - Great Boies Born out of great minds - ex. Adverbs; Transitive/Intransitive Verbs Practice
November	Ch. IX - The Responsibility of the young men - ex. Ch. X - Bharat Mata - exercises. Tenses, Voice, Articles, Prep, conjunctions Pract
December	Vocabulary Practice. Revision of the Exams: Paragraph writing syllabus & class test.
January	Ch. I Pigeons at Day Break Ch. II with the Photographers + exercises Ch. III The Journey
February	Practice of transcription; Essay writing; Ch. IV - The Refugee Ch. V - Bellows for the Bullock] - exercises.
March	Ch. VI - The lantern light Ch. VII - The child + exercises
April	Vocabulary Practice Ch. VIII - The Blind Dog Grammar Practice.
May	Revision of syllabus
June	Exams. + Summer Break.

Sem II

Sarita

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. ANJU KAJAR


Paper with Code English

Class B.A. 2nd Session 2019-20
2nd sem.

Sem I

Month	Literature & Language I	Name of Topic
July	Ch. II - Chandler Ben universe Explanation of Text, Q/A Exercise	Parts of speech Phonetics - Basic concepts Ch. I - (Speech Sounds)
August	Ch. III - The Dams, the Temples of of Modern India Ch. IV - 'The Generation Gap'	Pronouns, Adjectives (Practice & Exercise)
September	Ch. V - 'Language and National Identity' Ch. VI - 'Wounded Maats', Q/A Exercise	Transitive & Intransitive verbs, Adverbs
October	Ch. VII - 'Playing the English Gentleman' Ch. VIII - 'Great Bards Born out of Great Minds'	Tense Preposition
November	Ch. IX - 'The Responsibility of Young Men' Ch. X - 'Shereh Maats'	Articles conjunctions
December	Revision of Text/Syllabus with practice of vocabulary, Paragraph writing	
January	Literature and Language II Introduction to the syllabus Ch. I - 'Pigeons at Daybreak'	Phonetics Practice with Q/A, Exercise
February	Ch. II - 'With the Photographer' Ch. III - 'The Journey' Q/A, Exercise	Transcription (Practice)
March	Ch. IV - 'The Refugee' Ch. V - 'Belongs for the Bullock'	Practice of Essay writing on important topics
April	Ch. VI - 'The Patchlight' Ch. VII - 'The Child'	Vocabulary based on Text Book
May	Ch. VIII - 'The Blind Dog'	Practice of Grammar
June		

Sem II


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR ANSU RAZMI

Paper with Code English

Class B.A. Session 2019-20
3rd and 4th sem.

Sem III

Month	Name of Topic	
July	Introduction to the syllabus, and Paper pattern CH. I - Poetic Devices	
August	Poem 2 - 'Sonnet XVII' Poem 3 - 'Know Thyself' with Exercise	vocabulary Non-finite verbs with Practice
September	Poem 4 - 'Elegy written in a country churchyard' Poem 5 - 'The world is too much with us' Poem 6 - 'Ode on a Grecian Urn'	Essay-writing
October	Poem 7 - 'My last Duchess' Poem 8 - 'When you are old' Poem 9 - 'where the Mind is without Fear'	verb-patterns, clauses
November	Poem 10 - 'The Bangle Sellers' Poem 11 - 'Another woman' Explanation with Exercise	conditional clauses Phrasal verbs
December	Revision of the syllabus	
<u>Sem IV</u> January	Introduction to One Act Plays Play I - 'The Envy' Exercise Explanation, Q/A.	Speech sounds with Practice Translation
February	Play II - 'The Swan Song' Play III - 'The Monkey's Paw'	Re Translation Poetic writing
March	Play IV - 'Before Breakfast' Explanation, Q/A, Exercise	Email writing Resume writing
April	Play V - 'The sleepwalkers' Explanation, Q/A, Exercise	Grammar and Vocabulary Book-Review
May	Revision of syllabus / Tests	
June		

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Punam Vuma

Paper with Code English Class B.A.T Session 2019-2020
I Sem

Month	Name of Topic
	<u>Literature and Language I</u>
<u>Sem I</u> July	Introduction to the Syllabus and Paper Pattern ch-I Speech sounds with exercise ch-II choosing our universe with Exercise Basic concept of Grammar- Parts of Speech
August	ch-III Are Dams the Temples of Modern India ch-IV The Generation Gap + Exercise Phonetics symbols + Transcription of words
September	ch-V Language and National Identity + Exercise ch-VI Wounded Plants + Exercise + Noun Practice + Pronoun Exercise + Practice
October	ch-VII Playing with the English Gentleman + Exercise ch-VIII Great Books Born out of great mind + exercise Practice of Adjectives + Exercise of Adj.
November	ch-IX The responsibility of young man + Exercise ch-X Bharat Mata + Exercise + Practice of Adverbs with exercise + Transitive verb exercise
December	Practice of Intransitive verbs, tenses, Prepositions Practice of Conjunctions, Articles + Revision of Syllabus + Examinations.
<u>Sem II</u> January	<u>Literature and Language II</u> Introduction to syllabus and Paper Pattern Ch-I Pigeons at Day Break with exercise
February	ch-II with the Photograph + Exercise + Practice of Transcription and symbols Ch-III 'The Journey' with Exercise + Doubts
March	ch-IV 'The Refugee' + Exercise + Practice ch-V Bellerus the Bullock of essay writing with exercise + Discussion of questions.
April	ch-VI 'The Parahlight' with exercise Practice of Phonetics transcriptions + Vocabulary Practices
May	ch-VII 'The child' + Exercise + Revision ch-VIII 'The Blind Dog' + Exercise + Practice Revision of the difficult chapters
June	Examination + Summer Break.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Punam Verma

Paper with Code English

Class BA Final Session 2019-2020
5th/6th Sem

Month	Name of Topic	
July		
August		
September		
	<u>"Kantha Pura"</u>	
<u>5th Sem</u> October	Introduction to the Novel Kantha Pura Text of the Novel from Ch - I to III	Introduction to story writing + clauses Practice.
November	Text of the Novel from Ch - IV to VI with Question/Answer	Practice of Paragraph writing and conditional clauses.
December	Text of the Novel from Ch - VII to IX Discuss of question Answer on these chapters	Precis writing with Practice
January	Text and explanation of Ch X to XIV with question Answer	Practice of conversion sentences comprehension and Paragraph
February	Text of Novel from Ch XV to XIX with Exercise	Literary Terms Discussion with Revision
March	Revision of the entire syllabus + Discussion on difficult chapters + Doubts solving sessions	
<u>Sem VI</u> April	Introduction to the Shakespear Play The Merchant of Venice + Explanation of Act I with Exercise.	
May	Text Explanation of Act II and III + Exercise Practice of official writing + Vocabulary Practice	
June	Text explanation of Act IV and V with question Importance word, substitution, Precise writing Summarizing.	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Purnima Verma
 Paper with Code English Class B.A.III Session 2019-2020
6th Sem

Month	Name of Topic
✓ July	Revision of entire syllabus with Important questions and answers wordings for Examination.
August	
September	
October	
November	
December	
January	
February	
March	
April	
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Dhiraj Trikha-----
Paper with Code-----ENGLISH-----Class-----B.A. III-----Session-----2019-20-----

Month	Books: 5 th Sem-Kanthapura 6 th Sem- The Merchant of Venice
	SEMESTER-V
July	Introduction of Kanthapura, Text from Ch.1-III Explanation & Q/A, Story-Writing, Defining and Non-defining Clauses.
August	Text from Ch. IV-VI, Explanation & Q/A, Paragraph Writing, Conditional Clauses
September	Text from Ch. VII-IX Explanation & Q/A, Precis, Character Analysis
October	Text from Ch. X-XIII Explanation & Q/A, Conversion of Sentences, Comprehension Passages Practice
November	Text from Ch. XIV-XIX Explanation & Q/A,, Literary Terms, Revision of Syllabus
December	Exams & Winter Break
	SEMESTER-VI
January	Introduction to the Play; Act-I&II Explanation & Q/A, Character Analysis of The Merchant of Venice
February	Practice of Official Writing, Explanation & Q/A, of Act I
March	Act-III Explanation & Q/A, One-Word Substitution, Discussion of Characters
April	Act- IV & V Explanation & Q/A, Character Analysis, Precis Writing , Summarising
May	Revision of the Play, Class Test(Character) Doubt Session
June	Summer Break.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor.....Dhiraj Trikha.....
 Paper with Code.....ENGLISH.....Class.....B.A. I.....Session.....2019-20.....

Month	Books: Literature & Language-I Literature & Language-II
	SEMESTER-I
July	Discussion of Syllabus, Paper Pattern. Ch.I- Speech Sounds-Explanation and exercises. Ch.II- Choosing Our Universe- exercises.
August	Ch.III- Are Dams the Temples of Modern India-Exercises. Ch.IV- The Generation Gap-Exercises. Transcription-Practice
September	Ch.V- Language & National Identity-Exercises. Ch. VI- Wounded Plants-Exercises. Pronoun & Adjective Practice.
October	Ch.VII – Playing the English Gentleman-Exercises. Ch. VIII- Great Books Born out of great Minds- Practice. Adverbs; Transitive/Intransitive Verbs- Practice.
November	Ch. IX- The Responsibility of the Young Men-Exercises. Ch. X- Bharat Mata-Exercises. Tenses, Voice, Articles, Prep. Conjunctions-Practice.
December (Exams)	Vocabulary Practice. Revision of the Syllabus & Class test. Paragraph Writing
	SEMESTER-II
January	Ch.1- Pigeons at Day Break Ch.II- With the Photographer -Exercises. Ch. III- The Journey.
February	Ch. IV- The Refugee-Exercises. Ch. V- Bellows for the Bullock-Exercises. Practice of Transcription; Essay Writing.
March	Ch. VI- The Panchlight-Exercises. Ch. VII- The Child -Exercises.
April	Ch. VIII- The Blind Dog-Exercises. Vocabulary Practice & Grammar Practice.
May	Revision of Syllabus
June	Exams and Summer Break.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana Vats

Paper with Code English Class BA Session 2019-20

1st and 2nd Sem

Month	Name of Topic	
	<u>Literature and Lang I</u>	<u>Introduction to 'Parts of speech'</u>
July	<u>Ch. II Choosing our Universe</u> with explanation and exercise	<u>Phonetics and Basic Concepts</u> <u>Ch. I (Speech sounds)</u>
August	<u>Text of Ch. III (Are Dan the temples of Modern India)</u> <u>Ch. IV (The Generation Gap) with Ex.</u>	<u>Pronouns and Adjectives</u> <u>(Practice Ex)</u>
September	<u>Text of Ch. V (Language and National Identity)</u> <u>Ch. VI (Wounded Man) with Ex.</u>	<u>Transitive/Intransitive Verbs</u> <u>Adverbs with Practice</u>
October	<u>Ch. VII (Playing the English Gentleman)</u> <u>Ch. VIII (Great Books born out of Great Minds) with Ex.</u>	<u>Tenses with Practice</u> <u>Preposition</u>
November	<u>Text of Ch. IX (The Responsibility of Young Man)</u> <u>Text of Ch. X (Bharat Mata) with Ex.</u>	<u>Conjunction, Articles</u>
December	<u>Revising Text with Practice of Non-Paragraph Writing.</u>	<u>Revision Tests</u>
	<u>Literature and Lang II</u>	<u>Phonetic Practice</u>
January	<u>Introduction to Syllabus and Paper</u> <u>Text of Ch. I (Pigeons and Ray Bracke)</u>	<u>Practice</u>
February	<u>Text of Ch. II (with the Photographer)</u> <u>Text of Ch. III (The Journey)</u> with Q/A Answer	<u>Practice of Transcription</u>
March	<u>Text of Ch. IV (The Refugee)</u> <u>Text of Ch. V (Bellows with Bulllocks)</u> with Q/A	<u>Practice of Essay Writing</u> <u>on imp. topics</u>
April	<u>Text of Ch. VI (The Parachlight)</u> <u>Text of Ch. VII (The Child)</u> with Q/A	<u>Vocabulary Building</u> <u>Text Book</u>
May	<u>Text of Ch. VIII (The Blind Dog)</u> with Q/A Answer	<u>Practice of Grammar topics</u> <u>for Examination.</u>
June	<u>Examination</u>	<u>Practice Tests.</u>

Sem I

Sem II

Vandana Vats

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana
 Paper with Code English Class B.A. 5th Session 2019-20
6th Sem.

Month	Name of Topic	
July	Introduction to the Novel 'Kantapura' Text of the novel from ch. I to III	Introduction to Story Writing Defining and Non-defining Clauses
August	Text of the Novel from ch. IV to III with relevant Questions	Paragraph Writing with Practice, Conditional Clauses
September	ch. VII to IX (Terse) with Question Answers	Precise Writing with Practice
October	ch. X to XIV with Q/Answers	Conversion of Sentences Practice of Comprehension Passages
November	Text of ch. XV to XIX with Question/Answers	Literary Terms Test, Revision
December		
January	Introduction to the Play. The Merchant of Venice and its characters	Text and Explanation of Act I With Exercise
February	Text and Explanation of Act II (Sc. I to IX) with question Writing	Practice of Official Letter Writing
March	Text and Explanation of Act III (Sc. I to Sc. V) with question Writing	Important one word Substitution (Practice)
April	Text and Explanation of Act IV and Act V with question Writing	Precise Writing Summarizing Text and Revision
May	Revision of Syllabus. Test	
June	Summer Vacation.	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana MB

Paper with Code English Class B.Sc I Session 2019-20

and 2nd Sem.

B.Sc I
Sem

Month	Name of Topic
July	'Chronicles of Time' Introduction to Syllabus & Paper pattern Poems: Explanation of the Text 'Let Me Not' 'Death Be Not Proud' Question/Answer Practice
August	Poems: 'On His Blindness', 'The Retreat', 'Chadwell'. with Introduction, vocabulary, Q/A.
September	Text Explanation of Poems 'Know Thyself', 'The Little Black Boy' (Practice Tests) Translation from Hindi to Eng.
October	Text Explanation of Poems: 'Three Years...', 'England in 1819'. (Practice) Phrasal verbs
November	Poems: 'Crossing the Bar'. Explanation, vocabulary, Q/Answers. Preposition, Common Errors Practice, Tests
December	Revision Tests Before the Examination.
January	'Idea Aglow' Introduction to Essay as an Art form Text Explanation of 'Our Civilization' 'It's Question Time'
February	Explanation of the Essay 'An Interview', 'Precis' 'Untouchability and Caste System' Writing Practice with Practice Questions
March	Explanation of essay 'Inhumanisation of War'. Practice of Official letter Writing.
April	Text discussion of the essay 'Seven Types of Gender Equality'. Revision of syllabus class-tests etc.
May	Practice tests before Examination.
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Surender Singh-----
 Paper with Code-----ENGLISH-----Class-----B.A. III-----Session-----2019-20-----

Month	Books: 5 th Sem-Kanthapura 6 th Sem- The Merchant of Venice
	SEMESTER-V
July	Introduction of Kanthapura, Text from Ch.1-III Explanation & Q/A, Story-Writing, Defining and Non-defining Clauses.
August	Text from Ch. IV-VI, Explanation & Q/A, Paragraph Writing, Conditional Clauses
September	Text from Ch. VII-IX Explanation & Q/A, Precis, Character Analysis
October	Text from Ch. X-XIII Explanation & Q/A, Conversion of Sentences, Comprehension Passages Practice
November	Text from Ch. XIV-XIX Explanation & Q/A,, Literary Terms, Revision of Syllabus
December	Exams & Winter Break
	SEMESTER-VI
January	Introduction to the Play; Act-I&II Explanation & Q/A, Character Analysis of The Merchant of Venice
February	Practice of Official Writing, Explanation & Q/A, of Act I
March	Act-III Explanation & Q/A, One-Word Substitution, Discussion of Characters
April	Act- IV & V Explanation & Q/A, Character Analysis, Precis Writing , Summarising
May	Revision of the Play, Class Test(Characters) Doubt Session
June	Summer Break.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Surender Singh-----
 Paper with Code-----ENGLISH-----Class-----B.A. I-----Session-----2019-20-----

Month	Books: Literature & Language-I Literature & Language-II
	SEMESTER-I
July	Discussion of Syllabus, Paper Pattern. Ch.I- Speech Sounds-Explanation and exercises. Ch.II- Choosing Our Universe- exercises.
August	Ch.III- Are Dams the Temples of Modern India-Exercises. Ch.IV- The Generation Gap-Exercises. Transcription-Practice
September	Ch.V- Language & National Identity-Exercises. Ch. VI- Wounded Plants-Exercises. Pronoun & Adjective Practice.
October	Ch.VII – Playing the English Gentleman-Exercises. Ch. VIII- Great Books Born out of great Minds- Practice. Adverbs; Transitive/Intransitive Verbs- Practice.
November	Ch. IX- The Responsibility of the Young Men-Exercises. Ch. X- Bharat Mata-Exercises. Tenses, Voice, Articles, Prep. Conjunctions-Practice.
December (Exams)	Vocabulary Practice. Revision of the Syllabus & Class test. Paragraph Writing
	SEMESTER-II
January	Ch.1- Pigeons at Day Break Ch.II- With the Photographer -Exercises. Ch. III- The Journey.
February	Ch. IV- The Refugee-Exercises. Ch. V- Bellows for the Bullock-Exercises. Practice of Transcription; Essay Writing.
March	Ch. VI- The Panchlight-Exercises. Ch. VII- The Child -Exercises.
April	Ch. VIII- The Blind Dog-Exercises. Vocabulary Practice & Grammar Practice.
May	Revision of Syllabus
June	Exams and Summer Break.

Surender Singh

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR SURENDER KUMAR

Paper with Code भारत का इतिहास (प्रारंभिक काल से 1206 ई.पू.) Class B.A. Ist Year Session 2019-20

भारत का इतिहास (1206 ई.पू. से 1707 ई.)
 Name of Topic

Month	Name of Topic
July	
August	पुरापाषाण काल, मध्यपाषाण काल, नवपाषाण काल, हड़प्पा सभ्यता, वैदिक काल, जैन धर्म, बौद्ध धर्म, लौह व मध्यपाषाण काल, महाभारत का उत्थान, महाजनपद, मौर्य साम्राज्य का उत्थान, शुंग वंश
September	सातवाहन का स्वयं, दक्षिण में खंडगवाले, गुप्त काल का उदय व विस्तार, हर्षवर्धन और इक्ष्वाकु स्वयं, दक्षिण के चोल स्वयं, चालुक्य, पल्लव और चोल वंश का वर्णन, शक प्रभुत्व, पाल वंश, छतिहर वंश
October	की राजनीति का वर्णन उत्तर भारत में राजपूत राज्यों का उदय, अरबी का भारत पर आक्रमण, उत्तर भारत में सत्ता के लिए स्पर्धा, तुर्क-अफगान शक्ति की स्थापना, प्रथम शताब्दी वंश का वर्णन।
November	मानचित्र: हड़प्पा सभ्यता के नीचे, स्युडगुल का साम्राज्य का वर्णन, हर्षवर्धन के राज्य भारत-
December	Exam
January	Exam
February	दिल्ली सल्तनत की स्थापना विस्तार एवं मजबूती कारण, मुहम्मद बिन तुग़लक़, फ़ारूखी, खिलजी वंश, तुग़लक़ वंश, लोदी वंश का शासन, हुमायूँ, विजय एवं तुग़लक़ के अखिर सैनिक, प्रशासनिक एवं आर्थिक सुधारों का वर्णन
March	बंगाल के आक्रमणों के समय भारत की स्थिति, मुग़ल साम्राज्य की स्थापना, मुग़लों के राज्य, दार्शनिक शक्तियों का परिचय, अकबर, शेरशाह सूरी का शासन व प्रशासनिक सुधार।
April	अकबर के अखिर शासन, मुग़ल साम्राज्य का पतन का कारण, मजबूत - बंगाल के समय भारत की राजनीतिक स्थिति, अकबर के समय, भारत की स्थिति।
May	Exam
June	Exam


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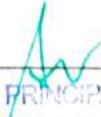
VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. SURENDER KUMAR

Paper with Code भारत का इतिहास (1701 से 1947) Class B.A. Third Year Session 2019-2020
इतिहास का इतिहास

Month	Name of Topic
July	
August	मुगल साम्राज्य का पतन एवं उत्तराधिकारी इल्मी का उदय, अंग्रेजों की भारत विजय, अंग्रेजों की प्रशासन और विदेश नीति, पंद्रहवां शताब्दी एवं 1857 ई. का विद्रोह।
September	18 वीं शताब्दी में सामाजिक दशा, भारतीय साम्राज्य में पुनर्जागरण, कदा शत्रुता, अर्थशास्त्र, स्वामी विवेकानंद, विदेशी शासन की सामाजिक प्रभाव, 18 वीं शताब्दी के आर्थिक प्रभाव, क्रिस्ता 2-रक्षक नीति, आधुनिक उद्योगों का उदय, क्रिस्ता शासन के आर्थिक प्रभाव।
October	संस्कृत का उदय के कारण, भारतीय संस्कृत का प्रथम तथा संस्कृत एवं संस्कृत आंदोलन (1885-1919), संस्कृत संतान आंदोलन (1919-1947) का इतिहास, आंदोलन संवैधानिक विचार (1904-1935), संस्कृतपीठता का उदय और प्रथमता का उदय।
November	भारत में : 1764 के सत्र प्रारंभ, 1857 के विद्रोह में अहमदशाना के उदय, सामाजिक आंदोलन, भारतीय संस्कृत का उदय के अर्थव्यवस्था के संस्कृत के उदय।
December	Exam
January	Exam
February	संस्कृत एवं पुरातात्विक शक्ति का वर्णन, पाषाणकाल की संस्कृति का वर्णन, इतिहास में इन्द्रा संस्कृत का वर्णन चित शक्ति, वैदिक संस्कृत, महाकाव्य युग का वर्णन, संस्कृत का अर्थशास्त्री संस्कृत का वर्णन, प्रथम शताब्दी, सत्र शताब्दी का वर्णन।
March	संस्कृत एवं मुगलकाल के दौरान कला व वास्तुशिल्प का वर्णन।
April	जार्ज धर्मस एवं इस्ट इंडिया कंपनी, प्रथम संस्कृत संग्रहालय इतिहास का उदय, सामाजिक आंदोलन, अर्थशास्त्र, संस्कृत का उदय, पुनर्जागरण का उदय, शिक्षा व कला में सुधार, संस्कृत आंदोलन का उदय, संस्कृत - इतिहास के समय इतिहास, इतिहास में 1857 ई. के उदय।
May	Exam
June	Exam


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mahender Kumar

Paper with Code भारत का इतिहास (आधुनिक इतिहास 1208 ई. से 1707 ई.) Class B.A. Ist Year Session 2019-2020

Month	Name of Topic
July	
August	पुरा-पाषाणकाल, मध्य पाषाणकाल, नवपाषाणकाल, आर्य समाज, इन्द्राणी समाज, वैदिक काल, जैन धर्म- लौह युग, लौह व महापाषाणकाल, गणपत का उद्घाटन, महाजनपद, मौर्य साम्राज्य का उद्घाटन, शुंग वंश, सातवाहन का राज्य, दक्षिण में शुंगी साम्राज्य का राज्य।
September	गुप्त साम्राज्य का उद्घाटन (विहार्), हर्षवर्धन और उसका राज्य, दक्षिण में चौहान राज्य, चालुक्य पल्लव और चोला वंश का वर्णन, शक्यगुप्त वंश, पल्लव वंश एवं श्रीशैल वंश की राजनीति का वर्णन, तिब्बतीय संघर्ष
October	उत्तर भारत में राजपूत राज्यों का उद्घाटन, अरबों का भारत पर आक्रमण, उत्तर भारत में सत्ता के लिए संघर्ष, तुर्क-आक्रमण शक्ति का उद्घाटन, मुघल साम्राज्य का उद्घाटन, मुघल साम्राज्य का वर्णन,
November	मानसिंह, इन्द्राणी समाज के लौह, समुद्र गुप्त का साम्राज्य का वर्णन, हर्षवर्धन के राज्य भारत,
December	<i>Exam</i>
January	<i>Exam</i>
February	ब्रिटिश शासन की उद्घाटन विहार् एवं राजपूतों का, अंगरेजों व मुगलों का युद्ध, सिंधु की वंश, गुजरात वंश, तुर्कलोक वंश, लौह वंश का शासन, अंगरेजों, सिंधु की वंश तुर्कलोक के अंगरेजों से, अंगरेजों का अंगरेजों का अंगरेजों का वर्णन, अंगरेजों का वर्णन
March	मुघलों का वर्णन, अंगरेजों का वर्णन, अंगरेजों के अंगरेजों के अंगरेजों की विहार्, मुगल साम्राज्य की उद्घाटन, मुगलों का अंगरेजों के अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन
April	अंगरेजों के अंगरेजों का वर्णन, मुगल साम्राज्य का वर्णन, अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन, अंगरेजों के अंगरेजों का वर्णन
May	<i>Exam</i>
June	<i>Exam</i>


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mahender Kumar

Paper with Code उत्पत्ति एवं गणनात्मक विज्ञान इतिहास Class B.A. 3rd Session 2019-20

Month	Name of Topic
July	आधुनिक विश्व का इतिहास
August	U-1 अखंड संस्कृत संस्कृत, अंग्रेजों के शासन के कारण जनजातों का बर्बाद, नार्वेय युगीन संस्कृत, सुमेरियन संस्कृत, मिस्र नार्वेय युगीन संस्कृत, बौद्ध युगीन संस्कृत, यूनान की संस्कृत, रोम की संस्कृत में बौद्ध का प्रवेश, <u>वास्तववाद</u>
September	U-2 प्रथम आधुनिक युगीन में सामंतवाद, मध्यम आधुनिक युगीन में चर्च की प्रक्रिया एवं इस्लामिक अरबों का वर्णन, <u>वास्तववाद</u> U-3 इस्लाम का उदय, उर्ध्व एवं उन्मूलन का चर्चा, इस्लाम के अतीत रूढ़ि का उदय
October	इस्लाम की अतीत संस्कृत संस्कृत का वर्णन, <u>वास्तववाद</u> महापौर :- नार्वेय युगीन संस्कृत, यूनान की संस्कृत के प्रमुख नगर, रोम संस्कृत के प्रमुख नगर। <u>लघु प्रश्न संस्कृत</u> अद्वैतवाद के अतीत अरब संस्कृत का विवरण।
November	<u>वास्तववाद</u>
December	
January	
February	U-1 आधुनिक विश्व में वाणिज्यवाद आधुनिक विश्व में कृषि व लान्तीकी क्रांति का होना, पुर्तगाल का विनाश होना, सफुल्लय वद का विचार होना, <u>वास्तववाद</u>
March	U-2. युगीन में प्रतियोगी क्रांति का वर्णन महापौर वरवारा, क्रिस्टन, में उदाहरण, इस्लाम के विचार, जर्मनी का विचार, फ्रांसीसी व नार्वेय का उदय, <u>लघु प्रश्न संस्कृत</u>
April	U-3. भारत में उपनिवेशवाद के चरण, चीन व पश्चिमी देश, जापान और पश्चिमी देश, उद्योग विज्ञान युग, द्वितीय विश्व युद्ध और शांति युग, <u>वास्तववाद</u>
May	
June	

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Mahender Kumar

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LESSION PLAN

Name of Assistant Professor: Dr. Harikesh

Paper Name: Social Psychology & Developmental Psychology

Session 2019-2020

Class B. A 2nd year

Month	Name of Topic
July 2019	Unit-1 Introduction: Nature, subject matter, Sociometric method. Practical- sociometry
August 2019	Socialization: Nature, Process and Agents of Socialization. Unit-2 Group: Types and functions; Social Norms: Meaning, Characteristics and formation. Practical -Leadership
September 2019	Leadership: Types, Function, Theories- Trait, Situational, and Interactional Practical - Attitude ,
October 2019	Unit -3 Attitudes: Characteristics, Development and Attitude change. Prejudice: Nature, Development and Stereotypes Practical - Stereotypes
November 2019	Unit -4 Prosocial Behaviour: Nature, Determinants ,Cognitive Model. Aggression: Nature, determinants and prevention. Practical - Aggression scale and Altruism
December 2019	
January 2020	Unit -1 Human Development; Concept and principles Factors in human development, Practical -1 case study
February 2020	Biological Social and Cultural Unit-2 Prenatal development, determinants and stages. Infancy: Characteristics, Hazards and adjustment Practical -self concept, self esteem
March 2020	Unit -3 Childhood: Characteristics, Perceptual, Motor, Emotional, Cognitive Development. Adolescents: Characteristics and problems of adolescents and adjustment Practical - emotional maturity scale, family environment
April 2020	Adulthood: Early adulthood, late adulthood and aging-Changing patterns and problems. Practical - youth problem inventory
May 2020	Measures of variability: Quartile deviation, Standard deviation
June 2020	

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LESSION PLAN

Name of Associate Professor: Dr. Satish Kumar

Paper Name: Introduction to Psychology & Experimental Psychology

Class B. A 1st year

Session 2019-2020

Month	Name of Topic
July 2019	Unit-1 Psychology :history, emergence as science Practical :EPI and Study of emotions
August 2019	Subject Matter, Methods of Psychology: Experimental, observation, survey Practical : Verbal test of Intelligence and RPM
September 2019	Unit-2 Sensory Processes: Visual, Auditory – structure and functions of eye and ear, Perception : Nature, figure and ground , perceptual organization, depth perception-cues Practical : Sound Localization and Observation
October 2019	Unit -3 Emotion: Nature, bodily changes. Theories of Emotion : James – Lange ,Bard and Schachter- Singer. Motivation : Nature, Biological and Psychological Motives Practical : Test of Motivation, Judgment of Emotion
November 2019	Unit-4 Personality: Nature, Determinants of personality, Type and Trait approach Intelligence: Nature, Theories of Intelligence: Spearman, Thurstone and Cattell
December 2019	Exam
January 2020	Unit-1 Attention: Nature, Characteristics and types, Psychophysics : Problems and Methods Practical: LTM, STM
February 2020	Unit-2 Learning: Definition, Factors affecting, Trial and Error Learning, Insight Learning; Classical and Operant Learning Practical : Retroactive Inhibition, serial position effects
March 2020	Unit-3 Memory : Definition, Stages, STM and LTM- Methods of Study Memory Forgetting: Factors leading to forgetting, Pneumonic Practical: Problem solving and span of attention
April 2020	Unit-4 Problem solving: stages, Convergent and Divergent thinking, Statistics: Frequency distribution, Graphical Presentation of data, Measures of central
May 2020	Measures of central tendencies
June 2020	Exam

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LESSION PLAN

Name of Assistant Professor: Dr. Anil Kumar Sharma

Paper Name: Psychopathology & Applied Psychology

Class B.A 3rd year

Session 2019-2020

Month	Name of Topic
July 2019	Unit -1 Definition and Criteria of Abnormality Models of Psychopathology: Biological, Practical – clinical interview
August 2019	Psychodynamic, Behavioural, and Cognitive Practical – TAT, DMI
September 2019	Unit- 2 Classification of Psychopathology: Need for classification, DSM system.,Diagnostic Assessment: Case history, Interview, Projective techniques. Practical - SCAT
October 2019	Unit -3 Anxiety Based Disorders: GAD, OCD, and Phobic disorders- Symptom and Causes. Substance/drug abuse – Causes, Consequences and Rehabilitation Practical- depression scale
November 2019	Unit-4 Mood disorders: Unipolar and bipolar-Symptoms and causes. Schizophrenia: Nature, types, and causes Practical - PGIMS
December 2019	
January 2020	Unit-1 Applied Psychology: Meaning, History, fields, and careers in psychology. Organizational Psychology: Nature, Scope, objectives, and development. Practical -Stress
February 2020	Unit-2 Guidance: Objectives, Principles, types of guidance, Organization of guidance programme. Counselling: Need, Principles, Special areas, and Types of Counselling. Practical –GHAQ, general well-being
March 2020	Unit -3 Health Psychology: Meaning, Scope and Objectives; Concept of health and illness. Psychological factors in physical illness, Life style and health, Stress and coping. Practical- life style scale
April 2020	Unit-4 Forensic psychology: Psychology and Law, Eyewitness Memory; Accuracy and improvement.
May 2020	Statistics: Correlation- Meaning, Rank difference, and Product moment method. Practical –adjustment inventory
June 2020	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. VINAY GUPTA

Paper with Code 32422 इ. वि. 1 Class MA Session 2019-2020
अनुसूचित 1911/2018 शुद्धी 1st Sem

Month	Name of Topic
July	इतिहास
August	अनुसूचित 32422 का परिचय व विचार, अनुसूचित का प्रयोग, अनुसूचित, अनुसूचित का प्रयोग, अनुसूचित
September	अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग
October	अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग
November	अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग, अनुसूचित का प्रयोग
December	अनुसूचित
January	
February	
March	
April	
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. VIRENDRA GUPTA

Paper with Code भाषा विज्ञान एवं हिन्दी भाषा 19/ND Jundi Ist Sem Class MA Session 2019-2020

Month	Name of Topic
July	दासिके
August	भाषा : परिभाषा एवं स्वरूप भाषा की मौखिक संरचना भाषा व्यवस्था एवं व्यवहार, भाषा अध्ययन की विधियाँ
September	भाषा विज्ञान : परिभाषा एवं स्वरूप, भाषा विज्ञान : अध्ययन की पद्धतियाँ भाषा विज्ञान अध्ययन के प्रश्न
October	प्राचीन भारतीय आम भाषाओं की विशेषताएँ मध्यकालीन भारतीय आम भाषाओं की विशेषताएँ आधुनिक भारतीय आम भाषाओं की विशेषताएँ व विशेषताएँ
November	आधुनिक भारतीय आम भाषाओं की विशेषताएँ (हिन्दी) की विशेषताएँ एवं, हिन्दी की सांस्कृतिक विधाएँ हिन्दी की विशेषताएँ, हिन्दी की सांस्कृतिक 342/1/2019
December	कोशिका क. हीराई व परीक्षा
January	
February	
March	
April	
May	
June	


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LESSON PLAN PERFORMA

(4)

Name of Assistant/Associate Professor Dr. VIKAS GUPTA

Paper with Code हिंदी भाषा के विकास का इतिहास Class M.A. Session 2019-20
194ND202 June 2nd Sem

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	भाषा के अर्थ, विकास, अर्थशास्त्र और 2024 हिंदी भाषा के विकास का इतिहास और विकास भाषा के विकास के विकास के विकास, भाषा के विकास
February	भाषा के विकास के विकास के विकास, भाषा के विकास भाषा के विकास के विकास के विकास, भाषा के विकास
March	भाषा के विकास के विकास के विकास, भाषा के विकास भाषा के विकास के विकास के विकास, भाषा के विकास
April	भाषा के विकास के विकास के विकास, भाषा के विकास भाषा के विकास के विकास के विकास, भाषा के विकास
May	परीक्षा
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. VIPIN GUPTA

Paper with Code 313015: PRACTICAL SKILLS Class M.A. Hindi Session 2019-2020
19/11/2018

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	313015 की परिभाषा और क्षेत्र, 313015: प्रयोगों के क्षेत्रों में, 313015 की विशेषता, 313015 का महत्व
February	313015 की प्रकृति, 313015 की विशेषता, 313015 की महत्त्व, 313015 की विशेषता, 313015 की महत्त्व
March	313015 की महत्त्व, 313015 की विशेषता, 313015 की महत्त्व, 313015 की विशेषता
April	313015 की महत्त्व, 313015 की विशेषता
May	313015
June	313015


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. VIKRAM GUPTA

Paper with Code: 19MAD302 अर्थशास्त्र विषय विज्ञान Class: MA Hons Session: 2019-2020

Month	Name of Topic
July	एतद्दिना
August	हिन्दी शब्द का विकास, हिन्दी शब्द का अर्थ, शब्दों का विकास, शब्दों का अर्थ, शब्दों का अर्थ, शब्दों का अर्थ
September	आधुनिक युग में अर्थशास्त्र विज्ञान का विकास, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ
October	अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ
November	हिन्दी शब्दों का विकास में द्विवचन युग का अर्थशास्त्र, हिन्दी शब्दों का विकास में द्विवचन युग का अर्थशास्त्र, हिन्दी शब्दों का विकास में द्विवचन युग का अर्थशास्त्र
December	अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ, अर्थशास्त्र का अर्थ
January	
February	
March	
April	
May	
June	


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LESSON PLAN PERFORMANCE

Name of Assistant/Associate Professor Dr. VIPIN GUPTA
 Paper with Code 191100203 191100203 191100203 Class M A Session 2019-2020
Hand

Month	Name of Topic
July	
August	<p>कालिका या (देवी) की प्रथम प्रतिमा 19^{वीं} सभ्यता, कलात्मक विशेषताएँ,</p>
September	<p>(देवी) की प्रथम प्रतिमा सभ्यतात्मक विशेषताएँ</p>
October	<p>(देवी) की प्रतिमाएँ</p>
November	<p>(देवी) की प्रतिमाएँ की प्रथम प्रस्तुति विशेषताएँ</p>
December	<p>प्रतिमाएँ</p>
January	
February	
March	
April	
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Vipin Gupta


Paper with Code

911ND404

हिंदी भाषाशास्त्र

Class M.A. Hindi Session 2019-2020
IV Sem

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	भाषाशास्त्र की आरम्भिक एवं मूलभूत, 'व्यक्तिगत' हिंदी भाषाशास्त्र की प्रस्तावना एवं विचार-विहीन भाषाशास्त्र की प्रस्तावना, हिंदी भाषाशास्त्र की प्रस्तावना
February	मूलभूत प्रश्नों का उत्तर, 'व्यक्तिगत' हिंदी भाषाशास्त्र, 21वाँ शताब्दी, 'व्यक्तिगत' हिंदी
March	प्रश्न प्रश्नों हिंदी भाषाशास्त्र, 'व्यक्तिगत' भाषाशास्त्र, 'व्यक्तिगत' भाषाशास्त्र
April	हिंदी भाषाशास्त्र, 'व्यक्तिगत' भाषाशास्त्र, 'व्यक्तिगत' भाषाशास्त्र
May	व्यक्तिगत
June	


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VAISHI COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____

Dr. Ujjwala Chakraborty

Paper with Code

BHND401

Class

Session

2019-20

2019-20
2019-20
2019-20
2019-20

2019-20

2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	शिशुमूलिक, अक्षर, अक्षरान्त, शिशुमूलिक शब्द की संरचना, शिशुमूलिक शब्दों की संरचना, शब्द का अर्थ, शब्द का अर्थ, शब्द का अर्थ
February	शिशुमूलिक शब्दों की संरचना, शिशुमूलिक शब्दों की संरचना, शब्द का अर्थ, शब्द का अर्थ, शब्द का अर्थ
March	शिशुमूलिक शब्दों की संरचना, शिशुमूलिक शब्दों की संरचना, शब्द का अर्थ, शब्द का अर्थ, शब्द का अर्थ
April	शिशुमूलिक शब्दों की संरचना, शिशुमूलिक शब्दों की संरचना, शब्द का अर्थ, शब्द का अर्थ, शब्द का अर्थ
May	
June	

VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20


Name of the teacher: Dr. Anil Kumar

Class: M.A (HINDI) 1st Sem.

Paper: हिंदी साहित्य का इतिहास

Paper code: 19 HND 104

M.A HINDI 1 st Semester (Paper code: 19 HND 104)	
Month	Topic
July, 2019	
August, 2019	<ul style="list-style-type: none">साहित्य के इतिहास की अवधारणाहिंदी साहित्य इतिहास पुनर्लेखन की समस्याएंहिंदी साहित्येतिहास लेखन की परंपरासाहित्य के इतिहास का काल विभाजन एवं नामकरण
September, 2019	<ul style="list-style-type: none">आदिकाल नामकरण एवं युगीन परिस्थितियांआदिकालीन साहित्य की प्रमुख प्रवृत्तियांसिद्ध साहित्य, नाथ साहित्य, जैन साहित्य, रासो साहित्य, लौकिक साहित्य,अमीर खुसरो की हिंदी कविता
October, 2019	<ul style="list-style-type: none">भक्ति काल की दार्शनिक, सामाजिक, सांस्कृतिक और धार्मिक पृष्ठभूमिभक्ति आंदोलन और दक्षिण के आलवार संतनिर्गुण एवं सगुण भक्ति का स्वरूप एवं प्रवृत्तियांभक्ति काव्य धाराएं एवं प्रवृत्तियां
November, 2019	<ul style="list-style-type: none">रीतिकाल का नामकरण एवं युगीन परिस्थितियांरीतिकाल की प्रवृत्तियांरीतिकाल कवियों का आचार्यत्वरीतिसिद्ध, रीतिमुक्त, रीतिबद्ध काव्य धाराएं एवं प्रवृत्तियां


(Signature of the teacher)


PRINCIPAL,
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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Anil Kumar

Class: M.A (HINDI) 1st Sem.

Paper: विशिष्ट रचनाकार प्रेमचंद

Paper code: 19 HND 106

M.A HINDI 1 st Semester (Paper code: 19 HND 106)	
Month	Topic
July, 2019	
August, 2019	<ul style="list-style-type: none">राष्ट्रीय परिदृश्य और प्रेमचंदप्रेमचंद की साहित्य दृष्टिप्रेमचंद और आदर्शोन्मुखी यथार्थवादप्रेमचंद और पत्रकारिता
September, 2019	<ul style="list-style-type: none">प्रेमचंद और किसानप्रेमचंद की नारी भावनाप्रेमचंद की भाषाप्रेमचंद की प्रासंगिकता
October, 2019	<ul style="list-style-type: none">उपन्यास: रंगभूमिकहानियां : बड़े घर की बेटी, ईदगाह, पूस की रात, नमक का दरोगा
November, 2019	<ul style="list-style-type: none">नाटक: कर्बलानिबंध : साहित्य का उद्देश्य, कहानी कला 1,2,3, महाजनी सभ्यता

(Signature of the teacher)

PRINCIPAL,
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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20


Name of the teacher: Dr. Anil Kumar


Class: M.A 2nd Sem (HINDI)

Paper: हिंदी साहित्य का इतिहास (आधुनिक काल)

Paper code: 19 HND 203

M.A 2nd Sem (HINDI) (Paper code: 19 HND 203)	
Month	Topic
January, 2020	<ul style="list-style-type: none">हिंदी गद्य का उद्भव और विकास1857 की क्रांति और सांस्कृतिक पुनर्जागरणभारतेंदु और उनका युगमहावीर प्रसाद द्विवेदी और हिंदी नवजागरण, प्रमुख गद्य लेखक
February, 2020	<ul style="list-style-type: none">छायावाद के प्रमुख कवि, काव्य और प्रवृत्तियांप्रगतिवाद के प्रमुख कवि और काव्यप्रयोगवाद के मुख्य कवि और काव्यनई कविता एवं समकालीन कविता के प्रमुख कवि
March, 2020	<ul style="list-style-type: none">कहानी और उपन्यासनाटक और एकांकीनिबंधआलोचना
April, 2020	<ul style="list-style-type: none">आत्मकथा, जीवनी, संमरण रेखाचित्र, रिपोर्टाज, यात्रा साहित्य, डायरीहिंदी का प्रवासी साहित्यप्रमुख अस्मितावादी विमर्श (स्त्री, आदिवासी, अल्पसंख्यक, किसान, पर्यावरण)पत्र-पत्रिकाएं


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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Anil Kumar

Class: M.A 2nd Sem (HINDI)

Paper: हिंदी नाटक और रंगमंच

Paper code: 19 HND-202

M.A 2nd Sem (HINDI) Semester (Paper code: 19 HND-202)	
Month	Topic
January, 2019	<ul style="list-style-type: none">• नाटक एवं रंगमंच: अवधारणा और स्वरूप• हिंदी नाटक एवं रंगमंच का उद्भव और विकास• भारतेंदु हरिश्चंद्र के नाटकों में राष्ट्रीयता• जयशंकर प्रसाद के नाटकों में सांस्कृतिक चेतना
February, 2019	<ul style="list-style-type: none">• धर्मवीर भारती के नाटकों में नाट्य शिल्प और अस्तित्ववाद• मोहन राकेश के नाटकों में आधुनिकतावाद एवं प्रयोगधर्मिता• लक्ष्मीनारायण मिश्र के नाटकों में चित्रित समस्याएँ• असगर वजाहत के नाटकों में विभाजन एवं त्रासदी
March, 2019	<ul style="list-style-type: none">• भारत दुर्दशा: भारतेंदु हरिश्चंद्र• चंद्रगुप्त : जयशंकर प्रसाद• अंधायुग : धर्मवीर भारती
April, 2019	<ul style="list-style-type: none">• आधे अधूरे : मोहन राकेश• सिंदूर की होली: लक्ष्मी नारायण मिश्र• जिस लाहौर नई देखा ओ जन्माइ नई : असगर वजाहत

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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20


Name of the teacher: Dr. Anil Kumar

Class: M.A (HINDI) 3rd Sem.

Paper: आधुनिक भारतीय साहित्य

Paper code: 19 HND-305(i)

M.A HINDI 3 rd Semester (Paper code: 19 HND-305(i))	
Month	Topic
July, 2019	
August, 2019	<ul style="list-style-type: none">• भारतीय साहित्य की अवधारणा और स्वरूप• भारतीय साहित्य के अध्ययन की समस्याएं• भारतीय साहित्य में मूल्यों की अभिव्यक्ति• भारतीय साहित्य में आज के भारत का बिम्ब
September, 2019	<ul style="list-style-type: none">• संस्कार :यू.आर. अनंतमूर्ति• मढी दा दीवा : गुरदयाल
October, 2019	<ul style="list-style-type: none">• गोरा :रविंद्रनाथ ठाकुर• घासीराम कोतवाल : विजय तेंदुलकर
November, 2019	<ul style="list-style-type: none">• भारत तीर्थ: रविंद्रनाथ टैगोर• गालिब की गजलें• बर्बर राव: तेरे लिए मेरी खामोशी एक मौलिक संशोधन(कविता)


(Signature of the teacher)



VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Anil Kumar


Class: M.A ~~4th~~ Sem (HINDI)

Paper: विशिष्ट रचनाकार कबीर

Paper code: 19 HND-406 (i)

M.A 2nd Sem (HINDI) (Paper code: 19 HND-406 (i)) 4th	
Month	Topic
January, 2020	<ul style="list-style-type: none">कबीर का समयकबीर की प्रासंगिकताकबीर का रहस्यवादकबीर के राम
February, 2020	<ul style="list-style-type: none">कबीर की क्रांति चेतनाकबीर का स्त्री विषयक चिंतनकबीर की मानवतावादी दृष्टिकबीर की भाषा
March, 2020	<ul style="list-style-type: none">कबीर ग्रंथावली(पद संख्या 18 14 16 21 23 24 34 39 41 42 43 49 57 59 761 64 80 89 91 92 111 117 129 132 136 139 153 और 156)
April, 2020	<ul style="list-style-type: none">रमैनी संपूर्ण


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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Anil Kumar

Class: M.A4th Sem (HINDI)

Paper: समकालीन साहित्य चिंतन

Paper code: HND-405

M.A 4th Sem (HINDI) (Paper code: HND-405)	
Month	Topic
January, 2020	<ul style="list-style-type: none">गांधीवादी साहित्य चिंतनहिंदी साहित्य में गांधीवादी चिंतनअंबेडकरवादी साहित्य चिंतनहिंदी साहित्य में अंबेडकरवादी चिंतन
February, 2020	<ul style="list-style-type: none">मार्क्सवादी साहित्य चिंतनहिंदी साहित्य में मार्क्सवादी चिंतनमनोविश्लेषणवादी साहित्य चिंतनहिंदी साहित्य में मनोविश्लेषणवादी चिंतन
March, 2020	<ul style="list-style-type: none">अस्तित्ववादी साहित्य चिंतनहिंदी साहित्य में अस्तित्ववादी चिंतनआधुनिकतावादी साहित्य चिंतनहिंदी साहित्य में आधुनिकतावादी चिंतन
April, 2020	<ul style="list-style-type: none">उत्तरआधुनिकतावादी साहित्य चिंतनहिंदी साहित्य में उत्तर-आधुनिकतावादी चिंतनसंरचनावादी और उत्तर संरचनावादी साहित्य चिंतनहिंदी साहित्य में संरचनावादी और उत्तर संरचनावादी चिंतन

(Signature of Teacher)

Principal,
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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Sumanchi Gupta

Paper with Code Hindi

Class B AT

Session 2019-20

Month	Name of Topic
July	
August	हिन्दी साहित्य के गणितकाल व शैतिकाल का परिचय व्यक्तिवाद के व्यक्तित्व परिचय, सप्रसंग व्याख्या प्रश्नोत्तर सुरदास कवि परिचय, सप्रसंग व्याख्या प्रश्नोत्तर कुलदीपास का परिचय सप्रसंग व्याख्या प्रश्नोत्तर
September	मीराबाई परिचय सप्रसंग व्याख्या प्रश्नोत्तर रसस्वार्थ परिचय सप्रसंग व्याख्या प्रश्नोत्तर बिहारीलाल परिचय सप्रसंग व्याख्या प्रश्नोत्तर धर्मसंग परिचय सप्रसंग व्याख्या प्रश्नोत्तर
October	बिहारीलाल हिन्दी साहित्य का इतिहास, लेखन परंपरा, कवि शैली का नामकरण, प्रकृति, प्रकृतियाँ, वीरगाथा काल रासो काल परंपरा उत्तरावृत्ति
November	काल के तत्व, रस के स्वरूप, अंग, भेद, अलंकार, कें शब्द शक्ति, काल्य युक्त उत्तरावृत्ति
December	
January	दुष्यन्तामिनी नाटक :- लेखक परिचय, सप्रसंग व्याख्या, प्रश्नोत्तर
February	भक्ति काल उद्भव विकास, परीक्षितयाँ, प्रकृतियाँ संत काल्य की प्रकृतियाँ, राम काल्य की प्रकृतियाँ सूफ़ी काल्य की प्रकृतियाँ, कृष्ण काल्य की प्रकृतियाँ
March	भक्ति काल्य स्वर्ण युग उत्तरावृत्ति
April	भाषा की परिभाषा, विविध रंग, प्रकृतियाँ, हिन्दी वर्णमाला, वर्तनी भाषा का भाषा की प्रकृतियाँ, मुद्रादे लोकोक्ति
May	
June	

PRINCIPAL,
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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Sunita

Paper with Code Hindi

Class BA II

Session 2019-20

Month	Name of Topic
July	
August	अमरकान्त के उपन्यासों का साहित्यिक परिचय, लघुगद्यकारों पर गोपाल मैथिली शरण गुप्त साहित्यिक परिचय लघुगद्यकारों पर गोपाल जयशंकर प्रसाद साहित्यिक परिचय लघुगद्यकारों पर गोपाल गिराला साहित्यिक परिचय लघुगद्यकारों पर गोपाल
September	महादेवी वर्मा साहित्यिक परिचय लघुगद्यकारों पर गोपाल रामधारी सिंह साहित्यिक परिचय लघुगद्यकारों पर गोपाल आरत मुखर्जी साहित्यिक परिचय लघुगद्यकारों पर गोपाल
October	शीतकाल का गीत की कविता की स्थापना नामकरण शीतकाल, शीतकाल, शीतकाल कविता की विशेषता
November	शीतकालीन काल की उपलब्धियाँ अनुवाद परीक्षा का स्वरूप
December	
January	मुद्रांचंद साहित्यिक परिचय लघुगद्यकारों पर गोपाल जयशंकर प्रसाद साहित्यिक परिचय लघुगद्यकारों पर गोपाल अमरकान्त साहित्यिक परिचय लघुगद्यकारों पर गोपाल
February	मोहनदास करमचंद महादेवी वर्मा
March	कामायनी वाल्मीकि
April	
May	
June	

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Suruchi Gupta
 Paper with Code Hindi Class B.A.II Session 2019-20

Month	Name of Topic
July	
August	आद्योपनिषद् साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर बृहदारण्यकोपनिषद् साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर नन्दोपनिषद् साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर नागार्जुन साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर
September	रेवती सहाय साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर सुवर्णरायण साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर लीलाधर जगड्डी साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर
October	हिन्दी साहित्य का आधुनिक काल कविता प्रथम विकास, परिचितियाँ, प्रवृत्तियाँ भार्गव युगीन, द्विवेदी युगीन ध्यायावाद, प्रगतिवाद, प्रयोगवाद नयी कविता, समकालीन कविता
November	संक्षेपण, पल्लवण, पत्रलेखन, संवाचन, उपसंहार, महाकृत पत्र
December	
January	बालमुद्रा साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर राग-रस-रूप साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर महादेवीवर्मा साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर हजारी प्रसाद द्विवेदी साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर
February	विद्यानिवासा मिश्र साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर हरिश्चन्द्र परसाई साहित्यिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर सुकुल सांस्कृतिक परिचय सप्तसंग व्याख्या प्रश्नोत्तर
March	हरियाणवी भाषा का उद्भव विकास, प्रमुख कवियों, सांग परंपरा, हरियाणवी कविता परिचय, प्रवृत्तियाँ, गद्यसाहित्य
April	दीर्घकवी सार्वभौम, संपादन के गुण, लीनर, स्वतंत्र प्रश्न
May	
June	

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Syruela Gupta

Paper with Code Hindi Class B Sc II Session 2019-20

Month	Name of Topic
July	
August	आसतोतु का साहित्यिक परिचय मैथिली शरण गुप्त परिचय माखन लाल चतुर्वेदी परिचय वाक्ताओं की लयलंग व्याख्या सप्तसंग व्याख्या सप्तसंग व्याख्या वैश्वानिक शिल्पकली
September	सूर्यकांत त्रिपाठी 'निराला' साहित्यिक परिचय महादेवी वर्मा परिचय रामधारी सिंह दिनकर परिचय सप्तसंग व्याख्या सप्तसंग व्याख्या सरकारी पत्र
October	हरिवंश शंकर च्यवन परिचय दुष्मंत कुमार परिचय अर्द्ध सरकारी पत्र सप्तसंग व्याख्या सप्तसंग व्याख्या मानव विकास, नैतिक शिक्षा
November	महा निबंध, किसान के आंदोलन, वैश्वानिक युगति में भारत का भोगदाव, वैश्वीकरण और किसान, दूरदर्शन, समाचार पत्रों का महत्व
December	
January	महादेवी वर्मा का साहित्यिक परिचय निराला गाँव संस्मरण का सार व सप्तसंग व्याख्या प्रेमचंद संस्मरण का सार व सप्तसंग व्याख्या वैश्वानिक शिल्पकली
February	जयशंकर प्रसाद का संस्मरण का सार व सप्तसंग व्याख्या सुमित्रा नंदन संस्मरण का सार व सप्तसंग व्याख्या सुत्रदा संस्मरण का सार व सप्तसंग व्याख्या अर्द्ध सरकारी पत्र
March	प्रबोध संस्मरण का सार व सप्तसंग व्याख्या प्रबोध संस्मरण का सार व सप्तसंग व्याख्या राजेंद्र नाथ का सार व सप्तसंग व्याख्या निबंध लेखन, महिला विकास, गाँव की दूरी, शिक्षा और राजनीति
April	प्रबोध गाँव का सार व सप्तसंग व्याख्या संत राजर्षि का सार व सप्तसंग व्याख्या निबंध- किसान और पर्यावरण प्रदूषण, विश्वविद्यालय वैश्वानिक और उनके अधिकार आकाशवाणी, कम्प्यूटर और इंटरनेट, वेब संख्या लिखिए
May	
June	

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____

Paper with Code _____

Class B. Com I Session 2019-20

II Sem


Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	<p>५४ लेखन, निरूपण, रिपब्लिक प्रतिवेदन पत्राचार : अर्थ, पुनार व्यवहारिक, व्यवसायिक एवं सरकारी पत्र लेखन</p>
February	<p>अनुवाद : परिभाषा, विशेषता और उपयोगिता मुद्राबन्ध लॉकोमिटि अर्थ, परिभाषा शब्द अर्थ, वाक्य अर्थ, शब्द बानि</p>
March	<p>पत्राचार-की, विलोम शब्द, आगे कार्य, वाक्य व वाक्यांश के लिए शब्द देवनागरी लिपि, अर्थ, गणकरण, विशेषताएँ, वैज्ञानिकता, मानकीकरण एवं सुधार के अर्थ</p>
April	<p>कम्प्यूटर में हिन्दी उपयोग, कम्प्यूटर संरचना, वर्तनी संशोधन पारिभाषिक शब्दावली, व्यापक हिन्दी और अनुवाद: विशेषताएँ, अनुवाद प्रक्रिया, समस्याएँ, कारिनाईयाँ</p>
May	
June	

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor <u>Dr. Asha Rani</u>	
Paper with Code : HND- 301 <u>समकालीन हिंदी कविता</u> and HND 402	
Class : M.A. Hindi 3rd and 4th Semester Session : 2019-20	
Month	Name of Topic
July	दाखिला प्रक्रिया
August	समकालीन कविता परिभाषा और स्वरूप समकालीन हिंदी कविता की प्रवृत्तियां समकालीन हिंदी कविता की मुख्य कवि
September	भूमंडलीकरण और हिंदी कविता समकालीन समकालीन कविता की सौंदर्य चेतना समकालीन कविता और हिंदी बोध
October	नागार्जुन:- बाल में बांका कर सकी, मनुष्य हूं (कविता) सुदामा पांडे धूमिल:- रोटी और संसद (कविता) विनोद कुमार शुक्ल :- जो मेरे घर कभी नहीं आएंगे, मंगल ग्रह इस समय पृथ्वी के
November	राजेश जोशी:- बच्चे कम पर जा रहे हैं, इत्यादि (कविता) अनामिका बेजगह , स्त्रियां (कविता) ओमप्रकाश वाल्मीकि :- अखाड़े की माटी, बस्स बहुत हो चुका (कविता) मंगलेश डबराल :- संगतकार, गुणा नंद पथिक (कविता)
December	University Exam
January	अस्मिता की अवधारणा एवं स्वरूप धर्म संस्कृति और अस्मिता , अस्मिता मुल्क आंदोलन , भूमंडलीकरण अस्मिता
February	स्त्री लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता आदिवासी लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता दलित लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता
March	महादेवी वर्मा हिंदू स्त्री का पत्नीत्व , स्त्री के अर्थ स्वातंत्र्य का प्रश्न । (निबंध) ममता कालिया बोलने वाली औरत (कहानी) कात्यायनी हॉकी खेलती लड़कियां (कविताएं) सविता सिंह रात नींद सपने और स्त्री, बैठी है औरतें भी विलाप में,


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April	संजीव कुमार फाँस (उपन्यास) दीनबंधु छोटर राम बेचारा किसान (निबंध संग्रह) ओमप्रकाश वाल्मीकि सलाम (कहानी) निर्मला पुतुल आदिवासी स्त्रियां, इतनी दूर मत बहाना बाबा (कविता)
May	University Exam
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Asha Rani

Paper with Code HND-103 हिंदी कहानी and HND-205 लोक साहित्य : संदर्भ

Class M.A. Hindi 1st and 2nd Semester Session 2019-20

Month	Name of Topic
July	हिंदी कहानी की परिभाषा एवं स्वरूप । कहानी की रचना विधान कहानी के विभिन्न तत्व । कहानी का उद्भव एवं विकास । हिंदी कहानी की मूल प्रवृत्तियाँ ।
August	प्रेमचंद और प्रसाद की कहानी कला । विविध कहानी आंदोलन । भूमंडलीकरण दौर के कहानीकार । लघु उत्तरात्मक प्रश्न "उसने कहा था" कहानी का सार । कहानी के तात्विक की विवेचना । "उसने कहा था" कहानी का उसने कहा था कहानी का उद्देश्य । लेना सिंह का चरित्र चित्रण । "आकाशदीप" कहानी का सार ।
September	"आकाशदीप" कहानी की नायिका चंपा का चरित्र चित्रण । लघु उत्तरात्मक प्रश्न । "दुनियाँ का अनमोल रत्न" कहानी का सार । कहानी का मूल उद्देश्य । कहानी के नायक नायिका का चरित्र चित्रण ।
October	"फैसला" कहानी का सार । फैसला कहानी की मूल संवेदना । नायिका का चरित्र चित्रण । "तीसरी कसम" कहानी का सार कहानी का उद्देश्य । हीरामन का चरित्र चित्रण ।
November	"पच्चीस चौका डेढ़ सौ" कहानी का सार । कहानी की मूल संवेदना । सुदीप का चरित्र चित्रण । "लड़की की बहादुरी" कहानी का सार । लड़की की बहादुरी कहानी का मूल उद्देश्य । धापली का चरित्र चित्रण । लघु उत्तरात्मक प्रश्न

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December	University Exam
January	इकाई एक लोक साहित्य का अर्थ परिभाषा और स्वरूप लोक साहित्य का इतिहास
February	इकाई दो लोक साहित्य के अध्ययन की प्रक्रिया लोक साहित्य एवं दस्तावेजीकरण की समस्याएं लोक साहित्य की संकलन की विधियां लोक साहित्य का तुलनात्मक अध्ययन
March	इकाई 3 लोकगीत लोक कथा एवं लोक गाथा लोकनाट्य (सांग) मीराबाई लख्मीचंद ग्रंथावली हरियाणवी लोक कथाएं गरीब किसान की लोक कथा -शंकर लाल यादव स्वर्ण जयंती -रघवीर सिंह मथाना
April	इकाई 4 हरियाणवी का उद्भव और विकास हरियाणवी अप बोलियां का परिचय हरियाणवी लोकगीत खंड एक सावन के गीत फागुन के गीत संस्कार गीत खंड 2
May	University Exam
June	

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VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor <u>Dr. Asha Rani</u>	
Paper with Code : HND -101 साहित्य की समझ and HND -हिंदी उपन्यास	
Class <u>M.A. Hindi 1st and 2nd Sem</u> Session <u>2019-20</u>	
Month	Name of Topic
July	दाखिला प्रक्रिया
August	भाषा और उसका सृजनात्मक रूप, साहित्य की परिभाषा और स्वरूप, साहित्य का प्रयोजन
September	साहित्य और संस्कृति, साहित्य और समाज, साहित्य और दर्शन, साहित्य प्रकृति
October	साहित्य और इतिहास , साहित्य और कलाएं, साहित्य लोक साहित्य, हिन्दी साहित्येतिहास
November	छंद : परिभाषा और भेद बिंब : परिभाषा और भेद अलंकार : परिभाषा और भेद प्रतीक : परिभाषा और भेद
December	University Exam
January	हिंदी उपन्यास की अवधारणा उद्भव और विकास। प्रेसचंद्र यश्विन उपन्यास और भारतीय परिवेश
February	देश विभाजन और हिंदी उपन्यास समकालीन हिंदी उपन्यास की प्रवृत्तियां।
March	गोदान उपन्यास का सार । गोदान उपन्यास की मूल संवेदना ।
April	मृदुला गर्ग के उपन्यास कठ गुलाब उपन्यास का सार । काठगुलाब का उपन्यास की मूल संवेदना ।
May	University Exam
June	


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April	संजीव कुमार फाँस (उपन्यास) दीनबंधु छोटर राम बेचारा किसान (निबंध संग्रह) ओमप्रकाश वाल्मीकि सलाम (कहानी) निर्मला पुतुल आदिवासी स्त्रियां, इतनी दूर मत बहाना बाबा (कविता)
May	University Exam
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Reena

Paper with Code: Indian constitution -2001118 Class: B.A 1st Session: 2019-2020
Indian Politics -2001218

Month	Name of Topic
July	Making of Indian Constitution, Sources of Indian Constitution, Preamble of Indian Constitution, Features of Indian Constitution
August	Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Election Process of Indian President, Powers of Indian President, Changing Role of Indian President, Vice- President
September	Council of Ministers, Prime Minister, Governor, Chief Minister, Composition and Functions of Loksabha, Speaker of Loksabha
October	Compositions and Functions of Rajya sabha, Ammendment Process in Parliament, Vidhan Sabha, Panchayati Raj Institutions, 73rd Ammendment
November	Supreme Court, High Court, Judicial Review , Judicial Activism
December	University Examination
January	Federalism, Centre State Relations, Demand For State Autonomy, Emerging Trends in Indian Federalism
February	Election Commision, Electoral Process and Its Defects, Voting Behaviour, Electoral Reforms, Problem of Defection
March	Features of Indian Party System, National Political Parties, Regional Political Parties, Interest and Pressure Groups
April	Role of Caste in Indian Politics, Role of Religion , Role of Language, Role of Regionalism, Politics of Reservation
May	Emerging trends and Challenges Before Indian Political System
June	University Examination

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Reena

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Reena

Paper with Code Principles of Political Science Class B.A. 2nd Session 2019-2020
Code- 2001318, 2001418

Month	Name of Topic
July	Meaning, Definition, Nature and Scope of Political Science
August	Relations of Political Science With Other Social Sciences, Meaning, Definition and Elements of State, Relations of the State With Other Organizations
September	Theories of the Origin of the State, Liberal Theory of the State, Marxist Theory of the State
October	Concept and Functions of the Welfare State, Meaning and Definition of Sovereignty
November	Attributes and Types of Sovereignty, Monistic Theory of Sovereignty, Pluralistic Theory of Sovereignty
December	University Examination
January	Meaning and Features of Rights, Marxist Theory of Rights, Liberal Theory of Rights, Relationship Between Rights and Duties
February	Universal Declaration of Human Rights, Concept and Theories of Liberty, Concept and Theories of Equality
March	Relationship Between Liberty and Equality, Concept and Theories of Social Change
April	Concept and Theories of Development, Right To Information Act
May	Consumer Protection and Welfare
June	University Examination

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VAISHI COLLEGE, BHIVANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Reena

Paper with Code Comparative Politics- 2001518 / Page B.A. 3rd
Comparative Constitution of U.K, USA- 2001618

Session 2019-2020

Month	Name of Topic
July	Meaning, Definition and Scope of Comparative Politics, Traditional and Modern Concerns
August	Comparative Methods, Input Output Approach to the Study of Comparative Politics, Structural Function Approach to the Study of Comparative Politics
September	Political Development, Political Culture, History, Nature and types of Constitutionalism
October	Problem Against Constitutionalism in Modern times, Executive, Legislature, Judiciary
November	Political Parties and Pressure Groups
December	University Examination
January	Evolution, Conventions, Legacies and Basic Features of Constitution of UK and USA, Socio-economic Basis of Constitutions of UK and USA
February	Comparative Study of Executive, Legislature and Judiciary System of UK and USA
March	Comparative Studies of Structures, Functions and Role of Political Parties and Pressure Groups of UK and USA
April	Electoral Process and Voting Behaviour of UK and USA
May	Bureaucracy and Recent Trends of the Working of the Systems of UK and USA
June	University Examination

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ratan Singh

Paper with Code Indian constitution -2001118 Class B.A 1st Session 2019-2020
 Indian Politics -2001218

Month	Name of Topic
July	Making of Indian Constitution, Sources of Indian Constitution, Preamble of Indian Constitution, Features of Indian Constitution
August	Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Election Process of Indian President, Powers of Indian President, Changing Role of Indian President, Vice- President
September	Council of Ministers, Prime Minister, Governor, Chief Minister, Composition and Functions of Lok Sabha, Speaker of Lok Sabha
October	Compositions and Functions of Rajya Sabha, Amendment Process in Parliament, Vidhan Sabha, Panchayati Raj Institutions, 73rd Amendment
November	Supreme Court, High Court, Judicial Review, Judicial Activism
December	University Examination
January	Federalism, Centre State Relations, Demand For State Autonomy, Emerging Trends in Indian Federalism
February	Election Commission, Electoral Process and Its Defects, Voting Behaviour, Electoral Reforms, Problem of Defection
March	Features of Indian Party System, National Political Parties, Regional Political Parties, Interest and Pressure Groups
April	Role of Caste in Indian Politics, Role of Religion, Role of Language, Role of Regionalism, Politics of Reservation
May	Emerging trends and Challenges Before Indian Political System
June	University Examination


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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ratan Singh

Paper with Code Principles of Political Science Class B.A. 2nd Session 2019-2020
Code- 2001318, 2001418

Month	Name of Topic
July	Meaning, Definition, Nature and Scope of Political Science
August	Relations of Political Science With Other Social Sciences, Meaning, Definition and Elements of State, Relations of the State With Other Organizations
September	Theories of the Origin of the State, Liberal Theory of the State, Marxist Theory of the State
October	Concept and Functions of the Welfare State, Meaning and Definition of Sovereignty
November	Attributes and Types of Sovereignty, Monistic Theory of Sovereignty, Pluralistic Theory of Sovereignty
December	University Examination
January	Meaning and Features of Rights, Marxist Theory of Rights, Liberal Theory of Rights, Relationship Between Rights and Duties
February	Universal Declaration of Human Rights, Concept and Theories of Liberty, Concept and Theories of Equality
March	Relationship Between Liberty and Equality, Concept and Theories of Social Change
April	Concept and Theories of Development, Right To Information Act
May	Consumer Protection and Welfare
June	University Examination

Ratan Singh


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ratan Singh

Paper with Code: Comparative Politics- 2001518 **Class** B.A. 3rd **Session** 2019-2020
 Comparative Constitution of U.K, USA- 2001618

Month	Name of Topic
July	Meaning, Definition and Scope of Comparative Politics . Traditional and Modern Concerns
August	Comparative Methods, Input Output Approach to the Study of Comparative Politics, Structural Function Approach to the Study of Comparative Politics
September	Political Development, Political Culture, History, Nature and types of Constitutionalism
October	Problem Against Constitutionalism in Modern times, Executive . Legislature , Judiciary
November	Political Parties and Pressure Groups
December	University Examination
January	Evolution, Conventions, Legacies and Basic Features of Constitution of UK and USA, Socio-economic Basis of Constitutions of UK and USA
February	Comparative Study of Executive, Legislature and Judiciary System of UK and USA
March	Comparative Studies of Structures, Functions and Role of Political Parties and Pressure Groups of UK and USA
April	Electoral Process and Voting Behaviour of UK and USA
May	Bureaucracy and Recent Trends of the Working of the Systems of UK and USA
June	University Examination

Ratan Singh


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LESSON PLAN PERFORMA

Name of Assistant Professor: Dr KAMLESH

Paper with Code: Environmental Studies Class: BSC 2nd Sem Session: 2019-20

Month	Name of Topic
July	UNIT 1: Definition, scope and importance.
August	UNIT 2: Natural resources: Renewable and non-renewable resources: Forest, water, mineral, food, energy and land resource, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
September	UNIT 3: Ecosystems: structure & functions, Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of major eco-systems
October	UNIT 4: Biodiversity: Definition, levels, Value of biodiversity, Biodiversity at global, National and local levels, India as a mega-diversity nation, Hot-spots, Threats to biodiversity, Endangered and endemic species of India, Conservation of biodiversity
November	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management, Role of an individual in prevention of pollution.
December	
January	UNIT 6: Social issues and the Environment: sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, Environmental ethics
February	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation. Consumerism and waste products.
March	Environment Protection Act. Air (Prevention and Control of pollution) Act. Water (Prevention and Control of pollution) Act. Wildlife Protection Act. Forest Conservation Act.
April	UNIT 7: Human population and the Environment: Population growth, variation among nations. Population explosion- Family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Woman and Child Welfare Role of Information Technology in Environment and human health.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant Professor: Dr KAMLESH

Paper with Code: Environmental Studies Class: BA 2nd Sem Session: 2019-20

Month	Name of Topic
July	UNIT 1: Definition, scope and importance.
August	UNIT 2: Natural resources: Renewable and non-renewable resources: Forest, water, mineral, food, energy and land resource, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
September	UNIT 3: Ecosystems: structure & functions, Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of major eco-systems
October	UNIT 4: Biodiversity: Definition, levels, Value of biodiversity, Biodiversity at global, National and local levels, India as a mega-diversity nation, Hot-spots, Threats to biodiversity, Endangered and endemic species of India, Conservation of biodiversity
November	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management, Role of an individual in prevention of pollution.
December	
January	UNIT 6: Social issues and the Environment: sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, Environmental ethics
February	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation. Consumerism and waste products.
March	Environment Protection Act. Air (Prevention and Control of pollution) Act. Water (Prevention and Control of pollution) Act. Wildlife Protection Act. Forest Conservation Act.
April	UNIT 7: Human population and the Environment: Population growth, variation among nations. Population explosion- Family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Woman and Child Welfare Role of Information Technology in Environment and human health.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant Professor: Dr KAMLESH

Paper with Code: Environmental Studies Class: BCOM 2nd Sem Session: 2019-20

Month	Name of Topic
July	UNIT 1: Definition, scope and importance.
August	UNIT 2: Natural resources: Renewable and non-renewable resources: Forest, water, mineral, food, energy and land resource, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
September	UNIT 3: Ecosystems: structure & functions, Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of major eco-systems
October	UNIT 4: Biodiversity: Definition, levels, Value of biodiversity, Biodiversity at global, National and local levels, India as a mega-diversity nation, Hot-spots, Threats to biodiversity, Endangered and endemic species of India, Conservation of biodiversity
November	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management, Role of an individual in prevention of pollution.
December	
January	UNIT 6: Social issues and the Environment: sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, Environmental ethics
February	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation. Consumerism and waste products.
March	Environment Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and Control of pollution) Act. Wildlife Protection Act. Forest Conservation Act.
April	UNIT 7: Human population and the Environment: Population growth, variation among nations. Population explosion- Family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Woman and Child Welfare Role of Information Technology in Environment and human health.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MOMAN LAL

Paper with Code BOT 1.2 & BOT 2 Class B.Sc Ist Sess 1st ^{sem} 2019-20
cell Biology & Genetics

Month	Name of Topic
July	- the cell envelope:- Structure & function. - Plasma/cell membrane - structure, Hypothesis of fluid mosaic model.
August	- cell organelles :- Golgi complex, ER, lysosomes etc. - Chromosome detailed study.
September	- cell cycle Brief account - cell division
October	- Chromosomal abnormalities for structural & numerical
November	- See Chromosome & see determination
December	
January	- Genetic material - DNA detailed account
February	- DNA replication, nucleosomal model - Genetic code, satellite & repetitive DNA
March	- Mendelism, Mendelism laws - linkage, Gene interaction - Extra Chromosomal inheritance.
April	- mutation Spontaneous - Jumping gene - DNA damage & repair
May	- gene expression - transcription - gene regulation translation


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Mohan Lal

Paper with Code Bot 6.1 Bot 6.2 Class B.Sc. III Session 2019-20

1. Biochemistry and Biotechnology 2. Economic - Botany

Month	Name of Topic
July	Basis of Enzymology - discovery and nomenclature. Characteristics, Concept of holoenzyme, apoenzyme, Coenzyme, Cofactor, Regulation of enzyme activity, Mechanism.
August	Respiration → ATP, aerobic and anaerobic respiration, Krebs cycle, ETC, Redox potential, oxidative-Phosphorylation, Pentose Phosphate Pathway.
September	Lipid Metabolism → structure and function, fatty acid biosynthesis, β-oxidation, saturated, unsaturated fatty acid, storage and Mobilization of fatty acid.
October	Nitrogen Metabolism
November	Genetic engineering and Biotechnology - Tools and techniques of recombinant DNA, Cloning vectors, genomic and c-DNA library, Transposable element, Plant tissue culture, totipotency, Agrobacterium vector
December	
January	Vavilov's centre of origin of crop plant origin distribution, Botanical description. Food Plants - Cereals, Pulses, Vegetables.
February	Origin, distribution, Botanical description, Cultivation and economic uses - Fibre, oil, Spices, Medicinal plants.
March	Botanical description Processing and uses of Beverages, Rubber, sugar
April	General account and sources of timber energy plantation and Biofuels.
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MOHAN LAL

Paper with Code BOT 5.1 & 5.2 Class B.Sc. 3rd Session 2019-20

Plant Physiology & Biochemistry & Ecology

Month	Name of Topic
July	- Plant water relation :- Important concept - Transpiration
August	- Stomata & its physiology - mineral nutrition
September	- Transport of organic substance, source-sink relationship, Factor affecting Translocation
October	- Photo synthesis : All important concept related to the topic
November	- Plant. Hormone :- History & discovery - mechanism of action, Photo-morphogenesis - Phytochrome : mechanism of action & role
December	
January	- Introduction to ecology : scope & importance level of organism
February	- Environment : Factors, climatic - edaphic Topography - Biotic Factors, Ecological adaptation
March	- Population ecology - community ecology - ecosystem : structure & function
April	- Biogeochemical cycle - Phytogeography of India, Pollution. - Global Change : Green house effect, Biomagnification etc.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Poojanka

Paper with Code Cell Biology (12) Genetics (22) Class BSc 1st year Session 2019-2020
1st 6/20/20

Month	Name of Topic
July	UNIT-I 1. Ultrastructure of different cell organelles of animal cell. 2. Plasma Membrane: Fluid mosaic model, various modes of transport across the membrane, mechanism of active and passive transport, endocytosis and exocytosis. 3. Endoplasmic reticulum (ER): types, role of ER in protein synthesis and transportation in animal cell. 4. Golgi complex: Structure, Associated enzymes and role of golgi-complex in animal cell.
August	UNIT-II 1. Ribosomes: Types, biogenesis and role in protein synthesis. 2. Lysosomes: Structure, enzyme and their role, polymorphism. 3. Mitochondria: Mitochondrial DNA; as semiautonomous body, biogenesis, mitochondrial enzymes (only names), role of mitochondria. 4. Cytoskeleton: Microtubules, microfilaments, centriole and basal body. 5. Cilia and Flagella
September	UNIT-III 1. Ultrastructure and functions of Nucleus: Nuclear membrane, nuclear lamina, nucleolus, fine structure of chromosomes, nucleosome concept and role of histones, 2. Euchromatin and heterochromatin, lampbrush chromosomes and polytene chromosomes.
October	UNIT-IV 1. Mitosis and Meiosis (Cell reproduction) 2. Brief account of causes of cancer. 3. An elementary idea of cellular basis of Immunity.
November	
December	
January	UNIT-I 1. Elements of Heredity and variations. 2. The varieties of gene interactions 3. Linkage and recombination: Coupling and repulsion hypothesis, crossing-over and chiasma formation; gene mapping.
February	UNIT-II 1. Sex determination and its mechanism: male and female heterozygous systems, genetic balance system; role of Y-chromosome, male haploidy, cytoplasmic and environmental factors, role of hormones in sex determination. 2. Sex linked inheritance: Haemophilia and colour blindness in man, eye colour in Drosophila, Nondisjunction of sex-chromosome in Drosophila, Sex-linked and sex influenced inheritance. 3. Extra chromosomal and cytoplasmic inheritance: i) Kappa particles in Paramecium. ii) Shell coiling in snails. iii) Milk factor in mice
March	UNIT-III 1. Multiple allelism: Eye colour in Drosophila; A, B, O blood group in man. 2. Human genetics: Human karyotype, Chromosomal abnormalities involving autosomes and sex chromosomes, monozygotic and dizygotic twins. 3. Inborn errors of metabolism (Alcaptonuria, Phenylketonuria, Albinism, sickle-cell anaemia).
April	UNIT-IV 1. Nature and function of genetic material; Structure and type of nucleic acids; Protein synthesis. spontaneous and induced (chemical and radiations) mutations; gene mutations; chemical basis of mutations; transition, transversion, structural chromosomal aberrations (deletion, duplication, inversion and translocation); Numerical aberrations (autopolyploidy, euploidy and polyploidy in animals) 2. Applied genetics: Eugenics, eugenics and euphenics; genetic counseling, pre-natal diagnostics, DNA-finger printing, transgenic animals
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Miyenko

Paper with Code Mammalian Physiology 2011 (2019) Class B.Sc. 3rd & 4th Sem Session 2019-2020

Month	Name of Topic
July	UNIT-I Introduction, Classification, Structure, function and general properties of carbohydrates and lipids.
August	UNIT-II Introduction, Classification, Structure, function and general properties of proteins; Nomenclature, Classification and mechanisms of enzyme action. Transport through biomembranes (Active and Passive), buffers
September	UNIT-III Nutrition: Nutritional components; Carbohydrates, fats, lipids, Vitamins and Minerals. Types of nutrition & feeding, Digestion of dietary constituents, viz. lipids, proteins, carbohydrates & nucleic acids; symbiotic digestion. Absorption of nutrients & assimilation; control of enzyme secretion.
October	UNIT-IV Muscles: Types of muscles, ultra-structure of skeletal muscle. Bio-chemical and physical events during muscle contraction; single muscle twitch, tetanus, muscle fatigue muscle, tone, oxygen debt., Cori's cycle, single unit smooth muscles, their physical and functional properties. Bones: Structure and types, classification, bone growth and resorption, effect of ageing on skeletal system and bone disorders.
November	
December	
January	UNIT-I Circulation: Origin, conduction and regulation of heart beat, cardiac cycle, electrocardiogram, cardiac output, fluid pressure and flow pressure in closed and open circulatory system; Composition and functions of blood & lymph; Mechanism of coagulation of blood, coagulation factors; anticoagulants, haemopoiesis
February	UNIT-II Respiration: Exchange of respiratory gases, transport of gases, lung air volumes, oxygen dissociation curve of hemoglobin, Bohr's effect, Haldane's phenomenon (Chloride shift), control / regulation of respiration. Excretion: Patterns of excretory products viz. Amonotelic, ureotelic uricotelic, ornithine cycle (Kreb's- Henseleit cycle) for urea formation in liver.
March	UNIT-III Excretion: Urine formation, counter-current mechanism of urine concentration, osmoregulation, micturition. Neural Integration: Nature, origin and propagation of nerve impulse along with medullated & non-medullated nerve fibre, conduction of nerve impulse across synapse.
April	UNIT-IV Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of hypothalamus, pituitary, thyroid, parathyroid, adrenal, pancreas and gonads. Reproduction: Spermatogenesis, Capacitation of spermatozoa, ovulation, formation of corpus luteum, oestrous-anoestrous cycle, Menstrual cycle in human; fertilization, implantation and gestation.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Priyanka

Paper with Code Ecology & Evolution (6.2) and Developmental Biology (6.2) Class BSc. IIIrd year Session 2019-2020

Month	Name of Topic
July	Unit I 1. Basic concepts of ecology: Definition, significance. Concepts of habitat and ecological niche. 2 Factors affecting environment: Abiotic factors (light-intensity, quality and duration), temperature, humidity, topography; 4 edaphic factors, biotic factors
August	Ecosystem: Concept, components, properties and functions; Ecological energetics and energy flow-food chain, food web, trophic structure; ecological pyramids concept of productivity. Biogeochemical cycles. Concept. reservoir pool, gaseous cycles and sedimentary cycles. Population: Growth and regulation.
September	Origin of life. Unit III Concept and evidences of organic evolution. Theories of organic evolution. Concept of microevolution and concept of species
October	Concept of macro-and mega-evolution. Phylogeny of horse. Evolution of man.
November	
December	
January	Historical perspectives, aims and scope of developmental biology. Generalized structure of mammalian ovum & sperm. Spermatogenesis and Oogenesis.
February	Fertilization, parthenogenesis, different types of eggs and patterns of cleavage in invertebrates and vertebrates. Process of blastulation in invertebrates and vertebrates Fate-map construction in frog and chick.
March	Gastrulation in invertebrates and vertebrates Gastrulation & formation of three germinal layers in frog and chick. Elementary knowledge of primary organizers.
April	Extra embryonic membranes: structure & significance in birds and mammals. Concepts of competence, determination and differentiation. Concept of regeneration.
May	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Amit

Paper with Code Life And Diversity from Protozoa To Helminthes and Life and diversity of Annelida to Hemichordata Class B.Sc. Ist yr Session 2019-2020
 (1-D) Name of Topic (2-D)

Month	Name of Topic
July	<u>Protozoa</u> → General characters and classification of Protozoa Type study of Plasmodium. Life history, mode of infection and pathogenicity of different Protozoans.
August	<u>Porifera</u> → General characters, classification and Biodiversity and economic importance of porifera. Type study of spon, Canal system in sponges and spicules.
September	<u>Coelenterata</u> Type study - obelia Coral and coral reefs Polymorphism in siphonophores
October	<u>Helminthes</u> :- General characters, classification and economic importance. Type study :- Fasciola Hepatica Life history, mode of infection and pathogenicity of different Helminthes
November	
December	
January	<u>Annelida</u> :- General characters and classification upto orders. Type study :- Pheretima, Metamerism in Annelida. Trochophore larva :- Affinities and evolutionary significance.
February	<u>Arthropoda</u> → General characters and classification of Annelida Type study :- Periplaneta Americana
March	<u>Mollusca</u> :- General characters and classification Type study :- Pila Globulosa, Torsion and detorsion in Gastropoda. Respiration and foot.
April	<u>Echinodermata</u> :- Type study of - Ascaris Echinoderm larva forms. Aristotle's Lantern
May	<u>Hemichordata</u> :- Type study = Salpingostus.
June	

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LESSON PLAN PERFORMIA

Name of Assistant/Associate Professor Amit

Paper with Code Life And Diversity of Chordates ^{P-17} Class 2nd year Session 2019-2020

Life And Diversity of Chordates II (44)

Month	Name of Topic
July	<u>Chordates</u> :- Principle of classification, origin and evolutionary tree of chordates. Functional morphology of the types with example with their
August	<u>Protochordates</u> General character and classification of Protochordates. Type study of Herdmania. Type study of Amphioxus Amphioxus.
September	<u>Cyclostomes</u> classification and Ecological significance of cyclostomes. Type study of Pteromyzon.
October	<u>Pisces</u> scales and fins. Parental care in fishes. fish migration and type study of labelo.
November	
December	
January	<u>Amphibian</u> origin and evolutionary tree of the Amphibians. Type study of Rana tigrina. And Parental care in Amphibians.
February	<u>Reptiles</u> Type study: - Lizard, Evolutionary Tree. Extinct reptiles, Poisonous and non poisonous snake. Poison apparatus in snakes.
March	<u>Aves</u> Type study of Pigeon. Flight adaptations in birds. Principle of aerodynamics in Birds flight. Migration in Birds.
April	<u>Mammals</u> :- Type study of Rat. Adaptive Radiation of mammals and dentition in mammals.
May	
June	

Biodiversity and Economic Importance


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Amit

Paper with Code Fish And Fisheries (6.1) Entomology (6.1) Class 3rd year Session 2019-2020

Month	Name of Topic
July	<u>Fish And Fisheries</u> → Production, utilization and demand. Fresh water fishes of India :- River system, Reservoir Pond Tank, fisheries. Captive and Culture fisheries.
August	Fishing crafts and gears. Fin Fishes, Crustaceans, molluscs and Culture.
September	Seed Production, Natural seed resources, its assessment collection, Hatchery production. Nutrition :- sources of food and food composition.
October	<u>Fish Culture</u> :- → Ponds - Running water, Recycled water Cage, culture, Polyculture.
November	Culture Technology :- Biotechnology, gene manipulation and Cryopreservation of gametes.
December	
January	
February	Entomology :- → <u>Sugarcane</u> pest, damage and control of different pest of Sugarcane e.g - <i>Nysilla perpusilla</i>
March	<u>Cotton</u> :- Pink Bollworm, Red Cotton Bug, Cotton grey weevil, cotton jassid and systemic position, habits and nature of damage caused of <i>Pectinophora gossypiella</i> .
April	<u>Wheat</u> :- Wheat stem Borer - systematic position, habits and nature of damage caused - <u>Paddy</u> :- Ground bug, Rice grasshopper, Rice Hya.
May	<u>Vegetables</u> :- Different types of pest of vegetables and <i>Aulacophora</i> with control and systemic position <u>Stored Grains</u> :- Pulse Beetle (<i>Callosobruchus maculatus</i>)
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor SWETA

Paper with Code B0111

Class B.Sc Ist year Session 2019-20

Diversity of Microbes

Month	Name of Topic
July	Bacteria, cyanobacteria, Algae
August	Important features and life history of:→ Volvox, oedogonium, Vaucheria, Ectocarpus, Polysiphonia
September	<u>Viruses</u> :-> General account of virus, TMV, Bacteriophage <u>Fungi</u> :-> characters, classification, Economic importance
October	<u>Lichens</u> :-> Important features and life history of Phytophthora
November	Mucor, Penicillium, Aspergillus, Puccinia
December	
January	Structure and Reproduction <u>Bryophyta</u> :- Funaria, Marchantia, Anthoceros.
February	<u>Pteridophyta</u> :-> Characters, classification, alternation of generation, heterospory.
March	Apogamy Stellar evolution, Rhynia, Selaginella Equisetum, Ptiris
April	
May	
June	


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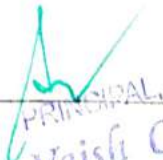
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor SWETA

Paper with Code Bo73-1 Bo73-2 Bo74-1 Bo74-2 Class _____ Session 2019-20

BIOLOGY and DIVERSITY of SEED Plant I, II, Plant Anatomy, Plant Embryology

Month	Name of Topic
July	General characters, origin and evolution of Gymnosperms Geological time table, Seed habit, Pitger and Melchior's System, Paleobotany fossil Plants: Lyginopteris, Williamsonia.
August	Cycadeoidea, cycas, Pinus, Ephedra, Economic importance of Gymnosperms, Angiosperms characters, origin Evolution, Tissue, Tissue system, The shoot system.
September	Cambium, Sec. growth, dicot stem, growth ring Sap wood and heart wood periderm, Anamalokus sec. growth (Dacrydium, Boerhaavia, Achyranthus)
October	leaf, Phyllotaxy, Epidermis, Anatomy of Monocot- dicot leaf) cell inclusions in leaves.
November	leaf abscission, stomatal apparatus and their types Root system, Sec. growth in dicot root, Modification in roots, Beta, Rhizophora, Vanda
December	
January	Flower, Microsporogenesis, Pollen grains and its structure pollen germination, Male gametophyte, Pollen-Pistil interaction, Self incompatibility, Pollination.
February	Megasporogenesis, Megagametogenesis, female gametophyte Double fertilization, Endosperm, Embryogenesis fruit, Seed, Taxonomy and Systematics.
March	Classification: Bentham hooker, Engler and Prantl Floral forms - Ranunculaceae, Brassicaceae, Nahkiaceae Euphorbiaceae, Rutaceae, Fabaceae
April	Cucurbitaceae, Apiaceae, Asclepiadaceae, Lamiaceae Solanaceae, Astoraceae, Liliaceae, Poaceae.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Bhanuwar Singh

Paper with Code 19BC-203 Class B Com Session 2019-20
IInd Sem.

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Definition of a Matrix, Types of Matrices, Applications of Matrices, operations for Sol ⁿ to simple business Determinants and inverse of a matrix, Sol ⁿ of system of linear equ ⁿ .
February	Compound Interest, different type of interest rate, Annuities Type, Present value and amount of an annuity.
March	the concept of differentiation, Simple Standard form, Applications of differentiation, Maxima and Minima of functions.
April	Definition of Permutation and Combinations, formulas, fundamental principle of counting, Definition and Difference between Sequence and Series.
May	Exam
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor SAVITA JAIN

Paper with Code CH-303 Class B.Sc II Session 2019-20

Month	Name of Topic
July	Admission + Introduction + Alcohol
August	Phenol + epoxides
September	Ultraviolet - absorption Spectroscopy
October	Carboxylic acid + Acetal Derivatives
November	Revision + test + Solution of Problems.
December	Examination + Vacation
January	Infrared absorption Spectroscopy
February	Amines + Diazonium Salt →
March	Aldehyde + ketone (off line + online)
April	Aldehyde + ketones + Revision + test → (Online)
May	Examination Corona period
June	Vacation - do -



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LESSON PLAN PERFORMA

22

Name of Assistant/Associate Professor SAVITA JAIN
 Paper with Code CH-303 Class B.Sc III Session 2019-20

Month	Name of Topic
July	Introduction of Syllabus NMR-I
August	NMR-II Introduction of Carbohydrates
September	Carbohydrate I & II
October	Organometallic Compds
November	Revision + test + Problem Solution
December	Examination
January	Introduction of Syllabus Heterocyclic Compds
February	Heterocyclic Compds II + Organic Synthesis via Enolates
March	Organosulphur Compds
April	Synthetic polymers + Amino acids peptides & protein Revision 2-test
May	Examination
June	Summer Break


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LESSON PLAN

SESSION 2019-20

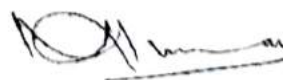
Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-III

Paper: Inorganic Chemistry

Paper code: CH-501

B.Sc. 5 th Semester (Paper code: CH-501)	
Month	Topic
July, 2019	<ul style="list-style-type: none">• Valence Bond Theory and its Limitations
August, 2019	<ul style="list-style-type: none">• Crystal Field Theory, Crystal Field Splitting in Octahedral, Tetrahedral and Square Planar Complexes• Factors Affecting Crystal Field Splitting Energy• Calculation of CFSE in Octahedral, Tetrahedral and Square Planar Complexes• Thermodynamic stability of metal complexes (stepwise stability constant and overall stability constant)
September, 2019	<ul style="list-style-type: none">• Factors affecting the stability• Substitution reactions of square plane complexes• Types of magnetic behavior• Methods of determining the magnetic stability• Spin only formula• L-S coupling• Magnetic moments and orbital contribution towards calculation of magnetic moment and its applications.
October, 2019	<ul style="list-style-type: none">• Types of electronic transitions• Selection rules for d-d transitions• Spectroscopic ground states and spectrochemical series• Orgel energy level diagram for d^1 and d^9 states• Discussion of the electronic spectrum of $[\text{Ti}(\text{H}_2\text{O})_6]$
November, 2019	<ul style="list-style-type: none">• Revision• Objective type class test• Subjective type class test• Problem solution• Discussion of previous question papers• Assignments/group discussion/presentations



(Name of the teacher)

PRINCIPAL,
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VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Manish Kumar

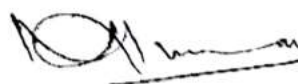
Class: B.Sc.-III

Paper: Inorganic Chemistry

Paper code: CH-501

B.Sc. 5th Semester (Paper code: CH-501)

Month	Topic
July, 2019	<ul style="list-style-type: none">• Valence Bond Theory and its Limitations
August, 2019	<ul style="list-style-type: none">• Crystal Field Theory, Crystal Field Splitting in Octahedral, Tetrahedral and Square Planar Complexes• Factors Affecting Crystal Field Splitting Energy• Calculation of CFSE in Octahedral, Tetrahedral and Square Planar Complexes• Thermodynamic stability of metal complexes (stepwise stability constant and overall stability constant)
September, 2019	<ul style="list-style-type: none">• Factors affecting the stability• Substitution reactions of square plane complexes• Types of magnetic behavior• Methods of determining the magnetic stability• Spin only formula• L-S coupling• Magnetic moments and orbital contribution towards calculation of magnetic moment and its applications.
October, 2019	<ul style="list-style-type: none">• Types of electronic transitions• Selection rules for d-d transitions• Spectroscopic ground states and spectrochemical series• Orgel energy level diagram for d^1 and d^9 states• Discussion of the electronic spectrum of $[\text{Ti}(\text{H}_2\text{O})_6]$
November, 2019	<ul style="list-style-type: none">• Revision• Objective type class test• Subjective type class test• Problem solution• Discussion of previous question papers• Assignments/group discussion/presentations



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LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-II

Paper: Inorganic Chemistry

Paper code: CH-301

B.Sc.4 th Semester (Paper code: CH-401)	
Month	Topic
January, 2020	<ul style="list-style-type: none">Electronic structure, oxidation states and ionic radii and lanthanide contraction, complex formation, occurrence and isolation, lanthanide compounds
February, 2020	<ul style="list-style-type: none">General features and chemistry of actinides, chemistry of separation of Np, Pu and Am from U, Comparison of properties of Lanthanides and Actinides and with transition elements
March, 2020	<ul style="list-style-type: none">Chemistry of analysis of various acidic radicals, Chemistry of identification of acid radicals in typical combinations, Chemistry of interference of acid radicals including their removal in the analysis of basic radicals
April, 2020	<ul style="list-style-type: none">Chemistry of analysis of various groups of basic radicals, Theory of precipitation, co- precipitation, post-precipitation, purification of precipitatesRevisionClass testProblem solutionDiscussion of previous question papersAssignments/group discussion/presentations



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LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-II

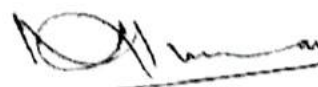
Paper: Inorganic Chemistry

Paper code: CH-301

B.Sc.3rd Semester (Paper code: CH-301)

Month	Topic
July, 2019	<ul style="list-style-type: none">• Definition of transition elements, position in the periodic table, General characteristics & properties of 1st transition elements
August, 2019	<ul style="list-style-type: none">• Structures & properties of some compounds of transition elements – TiO₂, VOCl₂, FeCl₃, CuCl₂ and Ni (CO)₄• General characteristics and properties of the IInd and IIIrd transition elements Comparison of properties of 3d elements with 4d & 5d elements with reference only to ionic radii, oxidation state, magnetic and Spectral properties and stereochemistry
September, 2019	<ul style="list-style-type: none">• Werner's coordination theory, effective atomic number concept, chelates, nomenclature of coordination compounds, isomerism in coordination compounds, valence bond theory of transition metal complexes
October, 2019	<ul style="list-style-type: none">• Physical properties of a solvent, types of solvents and their general characteristics, reactions in non-aqueous solvents with reference to liquid NH₃ and liquid SO₂
November, 2019	<ul style="list-style-type: none">• Revision• Objective type class test• Subjective type class test• Problem solution• Discussion of previous question papers• Assignments/group discussion/presentations


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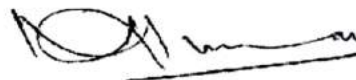
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electrophiles, carbocations, carbanions and free radicals

- Strength of organic acids and bases, aromaticity, benzenoid and Huckel's rules

**December,
2020**

- Conformation of ethane, butane and cyclohexane
- Interconversion of Wedge formula, Newmann, Sawhorse and Fischer representations, concept of chirality
- Geometrical, optical isomerism, enantiomerism, diastereomerism and meso compounds
- Threo, erythro, D and L, cis-trans nomenclature
- CIP rules, R/S and E/Z nomenclature
- Revision
- class test
- Problem solution
- Discussion of previous question papers
- Assignments/group discussion/presentations



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LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-I

Paper: Atomic Structure & Bonding and General Organic Chemistry-1

Paper code: 20UGCHE101

B.Sc.1 st Semester (Paper code: 20UGCHE101)	
Month	Topic
August, 2020	<ul style="list-style-type: none">Review of Bohr theory and its limitations, dual behaviour of matter and radiation, de Broglie matter waves, Heisenberg uncertainty principle, Hydrogen atom spectraQuantum mechanics, Schrodinger wave equation, Significance of ψ and ψ^2. Radial and angular parts of the hydrogen wavefunctions and their variation for 1s, 2s, 3s, 3p and 3d orbitals
September, 2020	<ul style="list-style-type: none">Radial and angular nodes and their significance, Radial distribution functions, and the concept of the most probable distance with special reference to 1s and 2s atomic orbitals,Significance of quantum numbers, orbital angular momentum and quantum numbers m_l and m_s. Shapes of s, p and d atomic orbitals, nodal placesDiscovery of spin, spin quantum number(s) and magnetic spin quantum number (m_s)
October, 2020	<ul style="list-style-type: none">Review of Ionic Bonding: General characteristics and Energy considerations in ionic bonding, lattice energy, solvation energy and their importanceBorn-Landé equation for calculation of lattice energy, Born-Haber cycle and its applications, polarizing power and polarizability.Fajan's rules, ionic character in covalent compounds, bond moment, dipole moment and percentage ionic characterCovalent Bonding, Shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangementsRules for the LCAO method, bonding and antibonding MOs and their characteristics for s-s, s-p and p-p combinations of atomic orbital non-bonding combination of orbitals, MO of homonuclear and heteronuclear diatomic molecules (CO, NO and NO⁺)Comparison of VB and MO
November, 2020	<ul style="list-style-type: none">Inductive effect, electromeric effect, resonance, hyperconjugation, homolytic and heterolytic cleavageStructure, shapes, reactivity of organic molecules, nucleophiles,

VAISH COLLEGE, BHIWANI

LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Krishan Kumar

Class: B.Sc.-III

Paper: Physical Chemistry

Paper code: CH-502 & 602

B.Sc. 5 th Semester (Paper code: CH-502)	
Month	Topic
July, 2019	<ul style="list-style-type: none">• Introduction of quantum chemistry, Role of operators, Hermitian operators, Postulates of quantum chemistry, Schrodinger wave equation and its application: particle in 1-D Box, Heisenberg uncertainty principle.
August, 2019	<ul style="list-style-type: none">• Introduction to molecular spectroscopy: Basic feature of spectroscopy, Born Oppenheimer approximation and degrees of freedom.• Introduction to rotational spectroscopy, Discussion of rotational spectroscopy of diatomic molecule, Application of rotational spectroscopy.• Introduction to vibrational spectroscopy: pure vibrational spectrum of diatomic molecule and its applications.
September, 2019	<ul style="list-style-type: none">• Finger print region and vibrational frequency of different functional group.• Raman spectroscopy, selection rule and its quantum aspects and its application.
October, 2019	<ul style="list-style-type: none">• Introduction to Physical properties and molecular structure• Optical rotation and its application.• Polarization (ClossiusMossoti equation), dipole moments and its measurement.• Magnetic properties of material and its application like magnetic permeability and magnetic susceptibility.
November, 2019	<ul style="list-style-type: none">• Revision• Class test• Discussion of Class test• Assignments/group discussion/presentations


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B.Sc.1st Semester (Paper code: CH-202)

Month	Topic
January, 2020	<ul style="list-style-type: none">• Rate of reaction, rate equation, factors influencing the rate of a reaction –concentration, temperature, pressure, solvent, light, catalyst.• Order of a reaction,integrated rate expression for zero order, first order, second and third order reaction.• Half life period of a reaction. Methods of determination of order of reaction.
February, 2020	<ul style="list-style-type: none">• Effect of temperature on the rate of reaction – Arrhenius equation.• Theories of reaction rate – Simple collision theory for unimolecular and bimolecular collision.• Transition state theory of Bimolecular reactions.
March, 2020	<ul style="list-style-type: none">• Electrolytic conduction, factors affecting electrolytic conduction, specific,conductance, molar conductance,equivalent conductance and relation among them,their variation with concentration.• Arrhenius theory of ionization, Ostwald's Dilution Law.• Debye- Huckel – Onsager's equation for strong electrolytes• Transport number, definition and determination by Hittorf's methods.
April, 2020	<ul style="list-style-type: none">• Kohlrausch's Law, calculation of molar ionic conductance and effect of viscosity temperature & pressure on it.• Application of Kohlrausch's Law in calculation of conductance of weak electrolytes at infinite dilution.• Applications of conductivity measurements: determination of degree of dissociation, determination of K_a of acids.• determination of solubility product of sparingly soluble salts, conductometric titrations. Definition of pH and pKa, Buffer solution,
May, 2020	<ul style="list-style-type: none">• Revision• class test• Discussion of Class Test• Assignments /group discussion /presentations



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LESSON PLAN

SESSION 2019-20

Name of the teacher: Dr. Krishan Kumar

Class: B.Sc.-I

Paper: Physical Chemistry

Paper code: CH-102&202

B.Sc.Ist Semester (Paper code: CH-102)

Month	Topic
July, 2019	<ul style="list-style-type: none">Maxwell's distribution of velocities and energies (derivation excluded) Calculation of root mean square velocity, average velocity and most probable velocity.Collision diameter, collision number, collision frequency and mean free path.Deviation of Real gases from ideal behaviour. Derivation of Vander Waal's Equation of State.
August, 2019	<ul style="list-style-type: none">Application in the calculation of Boyle's temperature (compression factor), Explanation of behaviour of real gases using Vander Waal's equation.Structure of liquids. Properties of liquids – surface tension, viscosity vapour pressure and optical rotations and their determination.
September, 2019	<ul style="list-style-type: none">Critical temperature, Critical pressure, critical volume and their determination. PV isotherms of real gases, continuity of states.Vander Waal's equation, relationship between critical constants and Vander Waal's constants. Critical compressibility factor.The Law of corresponding states.Liquidification of gases.
October, 2019	<ul style="list-style-type: none">Classification of solids, Laws of crystallography – (i) Law of constancy of interfacial angles (ii) Law of rationality of indices (iii) Law of symmetry.Symmetry elements of crystals. Definition of unit cell & space lattice. Bravais lattices, crystal system.X-ray diffraction by crystals. Derivation of Bragg equation.Determination of crystal structure of NaCl, KCl.Liquid crystals: Difference between solids, liquids and liquid crystals, types of liquid crystals. Applications of liquid crystals.
November, 2019	<ul style="list-style-type: none">Revisionclass testDiscussion of Class TestAssignments/group discussion/presentations

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B.Sc.Ist Semester (Paper code: CH-202)

Month	Topic
January, 2020	<ul style="list-style-type: none">• Rate of reaction, rate equation, factors influencing the rate of a reaction –concentration, temperature, pressure, solvent, light, catalyst.• Order of a reaction,integrated rate expression for zero order, first order, second and third order reaction.• Half life period of a reaction. Methods of determination of order of reaction.
February, 2020	<ul style="list-style-type: none">• Effect of temperature on the rate of reaction – Arrhenius equation.• Theories of reaction rate – Simple collision theory for unimolecular and bimolecular collision.• Transition state theory of Bimolecular reactions.
March, 2020	<ul style="list-style-type: none">• Electrolytic conduction, factors affecting electrolytic conduction, specific,conductance, molar conductance,equivalent conductance and relation among them,their variation with concentration.• Arrhenius theory of ionization, Ostwald's Dilution Law.• Debye- Huckel – Onsager's equation for strong electrolytes• Transport number, definition and determination by Hittorf's methods,
April, 2020	<ul style="list-style-type: none">• Kohlrausch's Law, calculation of molar ionic conductance and effect of viscosity temperature & pressure on it.• Application of Kohlrausch's Law in calculation of conductance of weak electrolytes at infinite dilution.• Applications of conductivity measurements: determination of degree of dissociation, determination of K_a of acids.• determination of solubility product of sparingly soluble salts, conductometric titrations. Definition of pH and pK_a, Buffer solution,
May, 2020	<ul style="list-style-type: none">• Revision• class test• Discussion of Class Test• Assignments/group discussion/presentations



(Signature of Teacher)



WELSH COLLEGE,
BANGOR

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 101 & PHY 102 Class: B.Sc 1st Sem. Session: 2019-20

Month	Name of Topic
July	Mechanics of single and system of particles, conservation of laws of linear momentum, angular momentum and mechanical energy. Centre of mass and equation of motion, constrained motion, degrees of freedom.
August	Generalised coordinates, displacement, velocity, acceleration, momentum, force and potential. Hamilton's variational principle, Lagrange's equation of motion from Hamilton's Principle. Linear Harmonic oscillator, simple pendulum, Atwood's machine. Rotation of Rigid body, moment of inertia, torque, angular momentum; kinetic energy of rotation. Theorems of perpendicular and parallel axes with proof. Moment of inertia of solid sphere, hollow sphere, spherical shell, solid cylinder, hollow cylinder and solid bar of rectangular cross-section. Acceleration of a body rolling down on an inclined plane.
Sept.	Mathematical Background: Scalars and Vectors, Scalar and Vector fields, Differentiation of a vector, Gradient of a scalar and its physical significance, Integration of a vector Gauss's divergence theorem and Stocks theorem. Electrostatic Field: Derivation of field E from potential as gradient, derivation of Laplace and Poisson equations. Electric flux, Gauss's Law and its application to spherical shell, uniformly charged infinite plane and uniformity charged straight wire, mechanical force of charged surface, Energy per unit volume.
Oct. + Nov.	Magnetic Induction, magnetic flux, solenoidal nature of vector field of induction. Properties of B. Electronic theory of dia and para magnetism (Langevin's theory). Domain theory of ferromagnetism. Cycle of Magnetisation Hysteresis Electromagnetic Theory: Maxwell's equation and their derivations, Displacement Current, Vector and scalar potentials, boundary conditions at interface between two different media, propagation of electromagnetic wave and Poynting theorem and Revision


 PRINCIPAL,
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 BHIWANI

Madhu

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 201 & PHY 202 Class: B.Sc 2nd Sem. Session: 2019-20

Month	Topic
Jan.	Properties of Matter : Elasticity, Hooke's law, Elastic constants and their relations, Poisson's ratio, tonics of cylinder and twisting couple. Bending of beam cantilevers, Centrally loaded beam. Kinetic Theory of Gases: Assumptions of Kinetic Theory of gases, Law of equipartition of energy and its applications for specific heats of gases. Maxwell distribution of speeds and velocities
Feb.	Experimental verification of Maxwell's Law of speed distribution: most probable speed average and r.m.s. speed; mean free path. Transport of energy and momentum, diffusion of gases. Brownian motion, Real gases, Van der Waal's equation. Theory of Relativity: Reference systems, inertial frames, Gallilean invariance and Conservation laws, Newtons relativity principle, Michelson - Morley experiment Search for other Lorentz transformations length contraction, time dilation, velocity addition theorem. variation of mass with velocity and mass energy equivalence. Electromagnetic Induction: Growth and decay of current in a circuit with Capacitance and resistance, resistance and inductance
March	Capacitance and inductance, Capacitance resistance and inductance. AC circuit analysis using complex variables Quality factor, Semiconductor Diodes: Energy bands in solids, intrinsic and extrinsic semiconductor, Hall effect, P-N junction diode and their V-I characteristics. Zener and avalanche breakdown. Resistance of a diode, Light Emitting diodes (LED). Photo conduction in semiconductors, photodiode, Solar Cell. Diode Rectifiers: P-N junction half wave and full wave rectifier. Types of filter circuits (Land with theory). Zener diode as voltage regulator, simple regulated power supply. Transistors: Junction transistors, Bipolar transistors, working of NPN and PNP transistors, Transistor connections (C-B, C-E, C-C mode) and C.R.O,
April	Transistor Amplifiers: Transistor biasing, methods of Transistor biasing and stabilization D.C. load line. Common-base and common-emitter transistor biasing. Common-base, common-emitter amplifiers. Classification of amplifiers, Resistance-capacitance (R-C) coupled amplifier (two stage; concept of band width, no derivation). Feed-back in amplifiers, advantage of negative feedback Emitter follower. Oscillators: Oscillators, Principle of Oscillation, Classification of oscillator, Condition for self-sustained and Revision

Madhu

Principal,
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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 501 & PHY 502 Class: B.Sc 5th Sem Session: 2019-20

Month	Name of Topic
July + August	Crystalline and glassy forms, liquid crystal. Crystal structure, periodicity, lattice and basis crystal translational vectors and axes. Unit cell and primitive cell, Winger Seitz primitive Cell, symmetry operations for a two dimensional crystal, Bravais lattices in two and three dimensions. Crystal planes and Miller indices, Inter planner spacing, Crystal structures of Zinc sulphide, Sodium Chloride and diamond, X-ray diffraction, Bragg's Law and experimental X-ray diffraction methods, K-space.
Sept.	Reciprocal lattice and its physical significance, reciprocal lattice vectors, reciprocal lattice to a simple cubic lattice, b.c.c. and f.c.c. Specific heat: Specific heat of solids, Einstein's theory of specific heat, Debye model of specific heat of solids. Failure of (Classical) E.M. Theory quantum theory of radiation, Photon, photoelectric effect and Einsteins photoelectric equation, compton effect. Inadequacy of old quantum theory, de- Broglie hypothesis. Davisson and Germer experiment. G.P. Thomson experiment.
Oct.	Phase velocity, group velocity, Heisenberg's uncertainty principle. Time-energy and angular momentum, position uncertainty Uncertainty principle from de-Broglie wave. Gamma Ray Microscope, Electron diffraction from a slit. Derivation of time dependent Schrodinger wave equation, eigen values, eigen functions, wave functions and its significance. Normalization of wave function, concept of observable and operator. Solution of Schrodinger equation for harmonic oscillator ground states and excited states.
Nov.	Free particle in one dimensional box (solution of schrodinger wave equation, eigen function, eigen values, quantization of energy and momentum, nodes and antinodes, zero point energy). One-dimensional potential barrie $E > V$. One-dimensional potential barrier, $E > V$ (Reflection Coefficient, penetration of leakage coefficient, penetration depth) and Revision


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 601 & PHY 602 Class: B.Sc 6th Sem Session: 2019-20

Month	Name of Topic
Jan.	Vector atom model, quantum numbers associated with vector atom model, penetrating and non-penetrating orbits, spectral lines in different series of alkali spectra, spin orbit interaction and doublet term separation LS or Russel-Saunders Coupling, jj coupling (expressions for interaction energies for LS and jj coupling required) Zeeman effect Zeeman pattern of D ₁ and D ₂ lines of Na-atom, Paschen Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom..
Feb.	Discrete set of electronic energies of molecules, quantisation of Vibrational and rotational energies Raman effect Stoke's and anti Stoke's lines. Main features of a laser: Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level, kinetics of optical absorption. Threshold condition for laser emission, Laser pumping, He-Ne laser and RUBY laser. Applications of laser. Nuclear mass and binding energy, systematics nuclear binding energy, nuclear stability
March	Nuclear properties, Determination of mass by Bain-Bridge, Bain-Bridge and Jordan mass spectrograph, Determination of charge by Mosley law, Determination of size of nuclei by Rutherford Scattering. Energy loss of heavy charged particle Energetics of alpha-decay, Range and straggling of alpha particles, Geiger-Nuttal law Introduction of light charged particle Origin of continuous beta-spectrum, types of beta decay and energetics, Energy loss, Range of electrons and absorption. Interaction of Gamma Ray, Nature of gamma rays, Energetics of gamma rays, Absorption of Gamma rays and its application.
April	Nuclear reactions, , conservation laws. Q-value and reaction threshold. Nuclear Reactors General aspects of Reactor design. Nuclear fission and fusion reactors Linear accelerator, Tandem accelerator, Cyclotron and Betatron accelerators. Ionization chamber, proportional counter, G.M. counter detailed study. scintillation counter and semiconductor detector and Revision

Madhu

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR

Paper with Code: PHY 101 & PHY 102 Class: B.Sc Ist Sem. Session: 2019-20

Month	Name of Topic
July	Mechanics of single and system of particles, conservation of laws of linear momentum, angular momentum and mechanical energy. Centre of mass and equation of motion, constrained motion, degrees of freedom.
August	Generalised coordinates, displacement, velocity, acceleration, momentum, force and potential. Hamilton's variational principle, Lagrange's equation of motion from Hamilton's Principle. Linear Harmonic oscillator, simple pendulum, Atwood's machine. Rotation of Rigid body, moment of inertia, torque, angular momentum; kinetic energy of rotation. Theorems of perpendicular and parallel axes with proof. Moment of inertia of solid sphere, hollow sphere, spherical shell, solid cylinder, hollow cylinder and solid bar of rectangular cross-section. Acceleration of a body rolling down on an inclined plane.
September	Mathematical Background: Scalars and Vectors, Scalar and Vector fields, Differentiation of a vector, Gradient of a scalar and its physical significance, Integration of a vector Gauss's divergence theorem and Stocks theorem. Electrostatic Field: Derivation of field E from potential as gradient, derivation of Laplace and Poisson equations. Electric flux, Gauss's Law and its application to spherical shell, uniformly charged infinite plane and uniformly charged straight wire, mechanical force of charged surface, Energy per unit volume.
October + November	Magnetic Induction, magnetic flux, solenoidal nature of vector field of induction. Properties of B. Electronic theory of dia and para magnetism (Langevin's theory). Domain theory of ferromagnetism. Cycle of Magnetisation Hysteresis Electromagnetic Theory: Maxwell's equation and their derivations, Displacement Current, Vector and scalar potentials, boundary conditions at interface between two different media, propagation of electromagnetic wave and Poynting theorem and Revision




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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER kumar

Paper with Code: PHY 201 & PHY 202 Class: B.Sc 2nd Sem. Session: 2019-20

Month	Topic
January	Properties of Matter : Elasticity, Hooke's law, Elastic constants and their relations, Poisson's ratio, torsion of cylinder and twisting couple. Bending of beam cantilevers, Centrally loaded beam. Kinetic Theory of Gases: Assumptions of Kinetic Theory of gases, Law of equipartition of energy and its applications for specific heats of gases. Maxwell distribution of speeds and velocities
February	Experimental verification of Maxwell's Law of speed distribution: most probable speed average and r.m.s. speed; mean free path. Transport of energy and momentum, diffusion of gases. Brownian motion, Real gases, Van der Waal's equation. Theory of Relativity: Reference systems, inertial frames, Galilean invariance and Conservation laws, Newton's relativity principle, Michelson - Morley experiment Search for other Lorentz transformations length contraction, time dilation, velocity addition theorem. variation of mass with velocity and mass energy equivalence. Electromagnetic Induction: Growth and decay of current in a circuit with Capacitance and resistance, resistance and inductance
March	Capacitance and inductance, Capacitance resistance and inductance. AC circuit analysis using complex variables Quality factor, Semiconductor Diodes: Energy bands in solids, intrinsic and extrinsic semiconductor, Hall effect, P-N junction diode and their V-I characteristics. Zener and avalanche breakdown. Resistance of a diode, Light Emitting diodes (LED). Photo conduction in semiconductors, photodiode, Solar Cell. Diode Rectifiers: P-N junction half wave and full wave rectifier. Types of filter circuits (Load with theory). Zener diode as voltage regulator, simple regulated power supply. Transistors: Junction transistors, Bipolar transistors, working of NPN and PNP transistors, Transistor connections (C-B, C-E, C-C mode) and C.R.O,
April	Transistor Amplifiers: Transistor biasing, methods of Transistor biasing and stabilization D.C. load line. Common-base and common-emitter transistor biasing. Common-base, common-emitter amplifiers. Classification of amplifiers, Resistance-capacitance (R-C) coupled amplifier (two stage; concept of band width, no derivation). Feed-back in amplifiers, advantage of negative feedback Emitter follower. Oscillators: Oscillators, Principle of Oscillation, Classification of oscillator, Condition for self-sustained and Revision


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR

Paper with Code: PHY 501 & PHY 502 Class: B.Sc 5th Sem Session: 2019-20

Month	Name of Topic
July + August	Crystalline and glassy forms, liquid crystal. Crystal structure, periodicity, lattice and basis crystal translational vectors and axes. Unit cell and primitive cell, Winger Seitz primitive Cell, symmetry operations for a two dimensional crystal, Bravais lattices in two and three dimensions. Crystal planes and Miller indices, Inter planner spacing, Crystal structures of Zinc sulphide, Sodium Chloride and diamond, X-ray diffraction, Bragg's Law and experimental X-ray diffraction methods, K-space.
September	Reciprocal lattice and its physical significance, reciprocal lattice vectors, reciprocal lattice to a simple cubic lattice, b.c.c., and f.c.c. Specific heat: Specific heat of solids, Einstein's theory of specific heat, Debye model of specific heat of solids. Failure of (Classical) E.M. Theory quantum theory of radiation, Photon, photoelectric effect and Einsteins photoelectric equation, compton effect. Inadequacy of old quantum theory, de- Broglie hypothesis. Davisson and Germer experiment. G.P. Thomson experiment.
October	Phase velocity, group velocity, Heisenberg's uncertainty principle. Time-energy and angular momentum, position uncertainty Uncertainty principle from de-Broglie wave. Gamma Ray Microscope, Electron diffraction from a slit. Derivation of time dependent Schrodinger wave equation, eigen values, eigen functions, wave functions and its significance. Normalization of wave function, concept of observable and operator. Solution of Schrodinger equation for harmonic oscillator ground states and excited states.
November	Free particle in one dimensional box (solution of schrodinger wave equation, eigen function, eigen values, quantization of energy and momentum, nodes and antinodes, zero point energy). One-dimensional potential barrier $E < V$. One-dimensional potential barrier, $E > V$ (Reflection Coefficient, penetration of leakage coefficient, penetration depth) and Revision

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR

Paper with Code: PHY 601 & PHY 602 Class: B.Sc 6th Sem Session: 2019-20

Month	Name of Topic
January	Vector atom model, quantum numbers associated with vector atom model, penetrating and non-penetrating orbits, spectral lines in different series of alkali spectra, spin orbit interaction and doublet term separation LS or Russel-Saunders Coupling, jj coupling (expressions for interaction energies for LS and jj coupling required) Zeeman effect Zeeman pattern of D ₁ and D ₂ lines of Na-atom, Paschen Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom..
February	Discrete set of electronic energies of molecules, quantisation of Vibrational and rotational energies Raman effect Stokes and anti Stokes lines. Main features of a laser: Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level, kinetics of optical absorption. Threshold condition for laser emission, Laser pumping, He-Ne laser and RUBY laser. Applications of laser. Nuclear mass and binding energy, systematics nuclear binding energy, nuclear stability
March	Nuclear properties, Determination of mass by Bain-Bridge, Bain-Bridge and Jordan mass spectrograph, Determination of charge by Mosley law, Determination of size of nuclei by Rutherford Scattering. Energy loss of heavy charged particle Energetics of alpha-decay, Range and straggling of alpha particles, Geiger-Nuttall law Introduction of light charged particle Origin of continuous beta-spectrum, types of beta decay and energetics, Energy loss, Range of electrons and absorption. Interaction of Gamma Ray, Nature of gamma rays, Energetics of gamma rays, Absorption of Gamma rays and its application.
April	Nuclear reactions, conservation laws. Q-value and reaction threshold. Nuclear Reactors General aspects of Reactor design. Nuclear fission and fusion reactors Linear accelerator, Tandem accelerator, Cyclotron and Betatron accelerators. Ionization chamber, proportional counter, G.M. counter detailed study. scintillation counter and semiconductor detector and Revision

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Pawan Kumar Gupta

Paper with Code: Accounting For Management, Financial Mangement (5.03 & 6.03)

Class: B.com 5th Sem. & 6th Sem (Session 2019-20)

Month	Name of Topic
July	Management Accounting(Meaning and Scope), functions, Management Accountant
August	Difference between Management accounting, Cost accounting, financial Accounting, Limitation, and Tools of Management accounting
September	Analysis and interpretaion of financial statements: Ratio analysis, financial statement, Cash flow Statement, Test and GD
October	Capital Budgeting: Its meaning, Nature, Need and Capital rationing, Test
November	Revision and Assignment
December	
January	Nature and Scope of Finance, Finance functions, Role of financial Manager
February	Objectives of financial Management, Profit maximization vs Wealth maximization, Working capital Management its various contents, Test, Group discussion.
March	leverage analysis, EBIT-EPS analysis, Capitalisation, Capital Structure theory and policy(Net income approach, NOI and MM Hypothesis without taxes), Test and GD
April	Dividend theory and Policy: Walter's and Gorden's models, form of dividend, Revision, Assignment
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Pawan Kumar Gupta

Paper with Code: Taxation Law-I, II (5.01 & 6.01)

Class: B.com 5th Sem. & 6th Sem (Session 2019-20)

Month	Name of Topic
July	Introduction of Income Tax
August	Agriculture Income, Residual Status and Tax Liability, Exempted Incomes, Test
September	Income from Salary(including retirement benefits), Income from House Property, Depreciation, Group Discussion
October	Profits and Gains from Business or Profession, Capital Gains, Income from other Sources, Test
November	Set off and Carry forward of losses, Deductions to be made in computing total income, Revision, Assignment
December	
January	Rebate & Relief of Tax, Computation of Total Income
February	Tax liability of Total Income, Assessment of HUF, Firms, AOP, Test
March	Filing and filing of ITR-I and II, Power of ITA, Procedure for assessment, TDS, Advance payment of tax, Test, Group discussion
April	Recovery & refund of tax, appeals & revision, Penalties, Offences & presecutions, Test, Assignment
May	Revision
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Pawan Kumar Gupta

Paper with Code Corporate a/cing 3.01 & 4.01 _ Class B Com 2nd _ Session 2019-20 _

Month	Name of Topic
July	Share Capital: Meaning, types, Accounting Treatment of issue, forfeiture and reissue of Share; Buyback of equity shares & Sweat shares; Redemption of preference share; Issue of Bonus Share.
August	Debenture: Meaning, Types. Issue and Redemption of Debentures
September	Valuation of Goodwill: Meaning, objectives, determinates and main methods. Valuation of Shares: Meaning, objectives, determinates and main methods.
October	Profit or loss before and after incorporation. Final accounts of companies.
November	Revision
December	
January	Internal Reconstruction; External Reconstruction in the nature of merger and purchase
February	Liquidation of a company ; Financial reporting for financial institutions.
March	Final Accounts of Banking Companies. Accounts of Holding Companies
April	Revision
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Pawan Kumar Gupta

Paper with Code: Financial Accounting(19BC-101 & 1023 201)

Class: B.com 1st Sem. & 2nd Sem (Session 2019-20)

Month	Name of Topic
July	Financial Accounting Theory
August	Introduction: Meaning, Objectives, Process, Limitation and basic terms of Accounting and Revision
September	Qualitative characteristics of Accounting information, GAAP, Capital and Revenue items: Reserves and Provisions, meaning and their difference. All types Provisions, Depreciation theory and practical.
October	Rectifications of Errors and Final accounts with adjustments, Consignment accounts (theory and practical), Revision and Test
November	Accounting of NPO's, and Revisions, Assignment
December	
January	Dissolution of Partnership Firm
February	Dissolution of Partnership Firm, Amalgamation and sale of Partnership Firms, Hire Purchase System and Installment Payment Systems.
March	Joint Ventures, Royalty Account, Insolvency Accounts for non corporate entities.
April	Branch Account and revision, Assignment

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code International Marketing (6.06 (i)) Class B.Com (6th Sem) Session 2019-20

Month	Name of Topic
July	
August	
September	
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December	
January	International Marketing: Nature and Concept; Domestic Vs International Marketing; Opportunities and Challenges for marketing in International Environment ; Foreign market selection and entry modes.
February	Product Planning and Pricing: International product life cycle research and informations; Product designing and packaging; Pricing process and methods; International price quotations and payment terms.
March	International Distribution: Channel structure and selection decisions; Managing channel conflicts; Selection and appointment of foreign sales agents; Basic export procedure and documentation.
April	Product Promotion: Methods of International product Promotion; challenges in International advertising and media strategy; Web marketing; Organising trade fairs and exhibitions
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code Corporate Law- II 4.04 Class B Com 2nd Session 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	<p>Depository System—meaning and importance; Shares:-; Types of shares; Allotment of Shares;; Transfer and Transmission of shares; Paperless Trading– Benefits and Procedure; Need for educating investor. Share capital:- Meaning and forms of capital; Alteration of share capital; Reduction of share capital.</p>
February	<p>Further issue of share capital; Rights of pre-emption of shares. Shareholders and Members:- Difference between Shareholders and members; Modes of acquiring membership; termination of membership; who may be members? Rights and Liabilities of members. Meeting of Company:- Essentials of valid meeting; meetings of Shareholders:- Annual general meeting; Extra-ordinary general meeting; meetings of board of directors</p>
March	<p>Proxy; Voting, Notice, Agenda and Minutes of meetings. Directors:- Duties, Powers, Liabilities, Appointment and removal of directors. Winding Up:- Meaning; Winding up by the Tribunal-Petition for winding up; Voluntary winding up; Powers and Duties of company Liquidator, consequences of winding up.</p>
April	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Apoorva

Paper with Code Corporate Law-I.3.04 Class B Com 2nd Session 2019-20

Month	Name of Topic
July	Company- Meaning and Characteristics; Features of company; Types of companies, advantages and disadvantages of incorporation; Lifting of corporate veil;
August	Formation of Company: - Promotion of company; Functions of promoter; importance of promoter; Promoter's remuneration; legal status of Promoter; Rights of promoters; Duties of promoters; Liabilities of promoters; Pre- incorporation contracts, Incorporation and commencement of Business.
September	Memorandum of Association: - Meaning; importance; clauses of memorandum of association and their Alteration; doctrine of ultra- virus. Articles of Association: - Meaning; contents; alteration of articles of association; constructive notice and doctrine of indoor management.
October	Borrowing Powers; Debentures and Charges.
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code 19 BC 205 Class B.COM I Session 2019-2020

Business Communication

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Introduction: Basics of communication, Seven C's of effective communication, barriers to communication, ethical context of communication.
February	Business Communication at workplace: Letter writing- component, layout and process, E- mail communication, bad news messages, persuasive written communication, memos, notice, agenda and minutes of meeting.
March	Report Writing: Types of business reports, structure of reports, short reports, long reports, abstracts and summaries, proposals.
April	Communication Skills: Reading skills, listening skills, note making, persuasive speaking. Body language, Gestures.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Rakesh

Paper with Code_Cost Accounting (5.02) Class_B.Com (5th Sem)_Session_2019-20

Month	Name of Topic
July	Cost Accounting : Meaning, Features, Scope, Techniques, Methods, Objectives, Importance and Limitations. Costing: cost accountability; cost centres and profit centres, Difference and similarities of cost accounting system with financial accounting system. Cost- main elements and types.
August	Material Control: Meaning and objectives of material control, material purchase procedure, fixation of inventory levels- reorder level, Minimum level, Maximum level, Danger level. EOC analysis. Methods of Valuing Material Issues. Wastage of material- main types. Labour Cost Control : Importance, methods of time keeping and Time Booking: Treatment and control of Labour Turnover, Idle Time, Overtime. Systems of Wage Payment- Time Wage System, Piece Wage System. Incentive Wage plans- Individual plans and group plans.
September	Overheads : Meaning and Types. Collection, Classification; Allocation, Apportionment and Absorption of Overheads- Main methods.
October	Unit and output costing : meaning and objectives; cost sheet- meaning, Performa, types preparation of cost sheet; determination of tender price; production account- types. Reconciliation of cost and financial accounts : Meaning. Objectives and procedure.
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Rahn

Paper with Code_GST and Customs law (6.05) Class_B.Com (6th Sem)_Session_2019-20

Month	Name of Topic
July	
August	
September	
October	
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January	Introduction:- Salient feature of GST, Benefit of GST, Constitutional Framework of Goods and Services tax, concept of GST; Important definitions: Supply under GST:- Meaning and scope of supply including composite and mixed supply ; levy and collection including reverse charge mechanism, Tax on electronic commerce operator (ECOP), Exemption from GST; Composition levy.
February	Place of Supply:- Within state/Union territory; Interstate; Import and export; Time of Supply of goods and services; Value of supply including valuation rules; Input tax credit:- Eligibility and conditions for taking Input Tax Credit, Apportionment of credit and blocked credit, ITC in case of banking company and financial institutions, ITC availability in special circumstances, Reversal of ITC on switching to composition levy or exit from tax-paying status, Transfer of ITC on account of change in constitution of registered person, Input service distributors.
March	Registration; Issue of invoices:- tax invoice, revised tax invoice, credit note, debit note, bill of supply, receipt voucher, refund voucher, payment voucher, invoices in special cases. ; E-way bill; Payment of Taxes; Returns; Job work; Provision of TDS and TCS; Record keeping, Assessment and Audit; Customs Act 1962
April	Customs duty: Important definitions, types, importance, documents required for import and export procedure : Export Promotion Scheme.
May	
June	



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LESSON PLAN PERFORMANCE

Name of Assistant/Associate Professor Ms. Rishi

Paper with Code Cost Accounting (6.02) Class B.Com (5th Sem) Session 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Process Costing : Meaning; Uses; Preparation of process account, Treatment of Normal Wastage, Abnormal Wastage, Abnormal Efficiency; Treatment of opening and closing stock (Excluding Work in Progress); Joint- Product and By-Product; Main methods of apportionment of Joint cost, Inter process profits.
February	Contract Costing- meaning, main features, preparation of contract account, Escalation clause; contract near completion; cost plus contract, Job and batch costing.
March	Budgetary control- meaning of budget and budgetary control, budgetary control as a management tool, limitations of budgetary control, forecasts and budgets, installation of budgetary control system, classification of budgets, fixed and flexible budgeting, performance budgeting, zero based budgeting and responsibility accounting.
April	Standard Costing : meaning, limitations, standard costs and budgeted costs, determination of standard cost, cost variances, direct material and direct labour only, Marginal Costing and Profit planning; Marginal costing, Absorption costing, Marginal cost, Cost volume Profit analysis, BEP Analysis, Key factor, BE chart, angle of incidence, concept of decision making and steps involved, determination of sales mix, make or buy Decisions
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Ratna

Paper with Code Business Statistics -II 4.02 Class B Com 2nd Session 2019-20

Month	Name of Topic
July	
August	
September	
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January	Index Numbers:- Meaning, Types and Uses; Methods of Constructing price and Quantity indices (Simple and Aggregate); Tests of adequacy; Chain-base Index numbers, Base shifting, Splicing and Deflating; Problems in constructing index numbers; Consumer price index.
February	Analysis of Time Series:- Causes of Variations in time series data; Components of a time series. Decomposition- Additive and Multiplicative models; determination of trend. Moving averages method and method of least squares (Including linear second degree, Parabolic and Exponential trend); Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and link relative methods.
March	Theory of Probability:- Probability as a Concept; Approaches to defining probability, Addition and Multiplication laws of probability; Conditional probability, Baye's Theorem. Probability Distribution :- Probability distribution as a concept; Binomial, Poisson and Normal Distribution- Their Properties and Parameters
April	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Ratna

Paper with Code **Business Regulatory Framework- II 4.03 Class B Com 2nd Session 2019-20**

Month	Name of Topic
July	
August	
September	
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November	
December	
January	<p>Indian Partnership Act- Nature of Partnership firm; test of partnership; Duties and Rights of partners; Relations of partners to third parties; position of minor in partnership; Reconstitution of a partnership firm; Registration of firm. Dissolution of firm:- Modes of dissolution; consequences of dissolution of firm; settlement of accounts after dissolution</p>
February	<p>Negotiable Instruments Act:- Negotiable Instrument an introduction Promissory notes; Bills of Exchange; cheques, Parties to negotiable Instruments; Discharge of parties from Liability; Dishonour of Negotiable Instruments. Instruments; Presentment of Negotiable Instrument; Negotiation</p>
March	<p>Sales of Goods Act:- Introduction; Formation of contract of sale of Goods; conditions and warranties; Transfer of property or ownership; Performance of contract- Delivery and Payment; Rights of unpaid seller; suits of Breach of contract. RTI Act : features, rights and importance</p>
April	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Ratna

Paper with Code Business Statistics 3.02 Class B Com 2nd Session 2019-20

Month	Name of Topic
July	<p>Introduction of Statistics: Origin, Development, Definition, Scope, Uses and Limitations.</p> <p>Statistical Data: Types of Measurement scales- normal, Ordinal, Interval and Ratio level measurement; Collection, Classification and Tabulation of Primary and Secondary data.</p> <p>Presentation of data: Diagrammatic and Graphical presentation of Data-Bar, Squares, rectangular and Circular diagrams; Histogram, frequency polygon, Ogives, Stem and Leaf displays box plots.</p>
August	<p>Central Tendency and Partition values; Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p> <p>Dispersion: Concept and Its absolute as well as relative measures</p>
September	<p>Moments, Skewness and Kurtosis: Moments about any point and about mean and the relationship between them.</p> <p>Sheppard's Corrections for Moments. Concept of symmetrical distribution and skewness, measures and Co- efficient of skewness, Concept of Kurtosis and its measures.</p>
October	<p>Moments, Skewness and Kurtosis: Moments about any point and about mean and the relationship between them.</p> <p>Sheppard's Corrections for Moments. Concept of symmetrical distribution and skewness, measures and Co- efficient of skewness, Concept of Kurtosis and its measures.</p>
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Ratna

Paper with Code Business 3.03 Class B Com 2nd Session 2019-20

Regulatory Framework-I

Month	Name of Topic
July	Indian Contract Act: - Valid contract and its elements; Void and void able agreements; Void and illegal agreements; Offer and acceptance; Contractual capacity of parties; Free consent of parties; Lawful consideration and object; Agreements expressly declared as void.
August	Contingent Contracts: - Quasi contracts; Discharge of contracts: - methods of discharge of contracts; Consequences of Breach of contracts. Contract of Indemnity and guarantee: - Elements of contract of Indemnity; Rights of Indemnity Holder and indemnifier Guarantee: - features of contract of guarantee; Rights and Liabilities of surety; Discharge of surety; Difference between contract of indemnity and Guarantee.
September	Contract of Bailment and Pledge: - Meaning; types of bailment, Termination of bailment, Duties and rights of bailor and bailee. Essentials of pledge, who may pledge, Rights and Duties of Pawnor and Pawnee
October	Consumer protection Act 1986: - Salient features of consumer Protection Act; Rights of consumers; consumer Protection councils; consumer disputes redressal machinery.
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Sushma

Paper with Code Auditing (6.04) Class_B.Com (6th Sem) Session 2019-20

Month	Name of Topic
July	
August	
September	
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November	
December	
January	Auditing : Meaning, objectives, importance and types of Auditing. Audit Process: internal control, internal check & internal audit, audit programmer.
February	Audit Procedure : Routine checking, vouching, verification & valuation of assets & liabilities.
March	Audit of Public Company : Qualification, Appointment of company Auditors, their powers, duties and liabilities, Audit of depreciation and reserves, Divisible profits & dividends
April	Audit Report and Investigation Audit Report : Meaning, objectives, contents and types. Investigation: Meaning, Nature and objectives.
May	
June	



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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Sushma

Paper with Code Human Resource Management 3.05 Class B Com 2nd Session 2019-20

Month	Name of Topic
July	<p>An Introduction to Human Resource Management Definition, Importance objectives and scope of Human Resource Management (HRM). Function of Human Resource Management:- Managerial and Operative Functions. Qualification and Qualities of Human Resource manager in our organization. Evolution and Growth of Human Recourse Management (HRM) India.</p>
August	<p>Recruitment Selection and Training Recruitment:- Meaning, Steps in recruitment policy, sources and modes of recruitment, Factors affecting recruitment. Selection:- Meaning, Essentials of Selection Procedure, Stages in Selection Procedure. Training:- Concept, Need and importance of Training. Methods of Training:- On the job Training + off the job Training, Principles of training, Evaluation of training Programme in India. wage and wage incentives</p>
September	<p>Wages:- Meaning, Objective and Theories of wages, Methods of wage Programme:- Time wages and Piece wages methods Concept of wages:- Fair, Minimum and Living wage, Factors determining wage Structure of an organization, essentials of satisfactory wage policy. Wage Incentives:- Concept, Need and Importance of Incentives. Special Incentives Prefect sharing and Labour Co. Partnership and Essentials of Ideal Incentives system</p>
October	<p>Industrial Relations and Industrial Unrest Industrial Relations:- Concept, Importance and Objectives of industrial relations, Contents of industrial relations. Participants of Industrial relation and Recruitment of good Industrial relation Programme. Industrial Unrest:- Meaning, Forms and Causes of industrial disputes, Impact of Industrial unrest on the Economy, preventive and curative methods and Agencies for Reconciliation of Industrial unrest</p>
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Kalpana

Paper with Code Marketing Mgt4.05 _ Class B Com 2nd _ Session 2019-20

Month	Name of Topic
July	
August	
September	
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November	
December	
January	Introduction:- Nature, Scope, Importance of marketing; Marketing concepts- Traditional and Modern. Market Segmentation:- Concept, Importance and basis of market segmentation. Consumer Behavior:- Nature, Scope, Importance, Factors affecting buyer behavior. Product Planning and Development:- Importance and scope of product Planning in marketing
February	Stages of New product development. Product Lifecycle:- Stages of Product life cycle; factors affecting product life cycle. Branding and Trademark:- Difference between brand and trademark; advantages and criticism of branding; types of branding; Brand Polices and Strategies
March	Pricing:- Meaning; Importance, Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies. Advertising:- Concept; Importance and criticism of advertising; Media of advertising; Evaluating advertising effectiveness. Sales Promotion:- Importance, Methods, Functions and Publicity.
April	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Kalbana

Paper with Code Banking and Banking Law 4.06 (ii) Class B Com 2nd Session 2019-20

Month	Name of Topic
July	
August	
September	
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December	
January	<p>Definition of Bank, Commercial Banks-importance, functions and problems of Non-performing Assets, structure of Commercial Banking system in India. Credit Creation: Process of Credit Creation and its Limitations. Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy.</p>
February	<p>Determination and Regulation of Interest Rates in India. Relationship between banker and Customer, Definition of Customer, General Relationship between banker and customer, obligation of banker, Garnishee order, banker's rights. Special types of Bankers Customers Minor, Married Women, Illiterate persons, Lunatics, Trustees, Executors and Administrators, Customer's attorney, Joint Account, Joint Hindu family, partnership Firm, Joint stock companies, Clubs, Societies and Charitable Institutions.</p>
March	<p>Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder in Due course. Rights and Liabilities of parties for Negotiable instruments: Capacity of parties: Minor's position, legal representative, Liability of parties, Drawer of Bill or Cheque, Liability of Maker of note & Acceptor of Bill, Liability of endorsed Negotiable Instruments without Consideration, Instrument obtained by Unlawful means. Endorsements: Meaning of Negotiation, Definition of Endorsement, Legal provisions regarding Endorsement, General rules regarding forms of endorsement, regular forms of Endorsement, Kinds of Endorsement</p>
April	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Vandana
 Paper with Code: Data Base Management System-I Code: A 3.05 Class: B.COM(CA)3RD SEM Session: 2019-20

Month	Name of Topic
July	Unit-I Introduction to Database System: Basic concepts and definitions. Data Dictionary, Database: DBMS, Operations performed on DBMS System, DBA, File Oriented System versus Database System, Database System Environment, Database Languages: DDL, DML, Data Control Language(DCL), Data Query Language(DQL), Transaction Control Language(TCL), Advantage and Disadvantage of DBMS, Basic concept of Files, File Types, File Organization Techniques.
August	Unit-II Database System Architecture: Introduction, Schemas, Sub Schemas, Instances, Levels of Database Architecture: Data Independence: Structure, Components and Functions of DBMS, Data Models, Types of Database System(DBMS), Structure of Relational Database, Keys of Relations
September	Unit-III Introduction to Database Design: Software Development Life Cycle(SDLC), Development Cost and Structure System Analysis and Design(SSAD), Database Development Life Cycle(DDLC), Database Design, Automated Design Tools, Normalization: Normal Forms: 1st, 2nd and 3rd NF, BCNF, 4NF and 5NF Functional Dependency and Techniques.
October	Unit-IV Query Processing and Query Optimization: Techniques: Transaction Processing and Concurrency Control Methods: Data Manipulation (Create, Modify, Insert, Delete and Update, Searching and Matching, Oracle Functions, Oracle Transactions, Revoke, Rollback, Commit statements)
November	RI VISION
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Nandana
 Paper with Code Structural Programming & Computer Graphics- 1 Code: A.3.06_ Class_B.COM(CA)3RD SEM Session_2019-20

Month	Name of Topic
July	Unit-I Planning the Computer Programming: - Purpose of Program Planning, Methods of analyzing a program requirements, Representations of Algorithms, Flow Charts: Flowchart Symbols, Levels of Flowcharts, Flow Chart Rules, Advantage & Disadvantage of Flow Chart.
August	Unit-II Introduction to 'C' language: Concept of structural programming, Basic Constructs of Structural Programming: Sequence, Selection, Repetition (Iteration), Advantage of 'C' Language, Data types, Constant, Variable, Keywords, Structure of 'C' program, arithmetic Operators, bitwise operators, conditional operators: IF statements, Switch statements, GoTo Statement
September	Unit-III Computer Graphics: - Definition, Role of Graphics in various fields e.g.: (CAD) Computer Aided Design/Drafting Package, Animators, (DTP) Desktop Packages, Types of Graphics, Hardware & Software used in Graphics, Graphics Primitives, Application of Computer Graphics, Graphics Functions, Types of Printer using in DTP, Types of Graphics Card, Categories of Fonts, Style and Size.
October	Unit-IV Arrays, single dimensional array, advantages of arrays, string of arrays, string functions (strcpy, strncpy, strcat, strcpy, strcmp) and programming of these functions without using direct functions
November	REVISION
December	
January	
February	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana
 Paper with Code_-Data Base Management System-II(A 4.05) Class_B.COM(CA)4th SEM Session-2019-2020

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Unit-I Data, Information, Data Processing, Database Terms, Database Technologies: Introduction, Internet Databases, Web Technology, Web Databases, Digital Libraries, Mobile Databases, Data Independence Concepts, Physical Data Organization: Introduction, Physical Storage Media, RAID (Redundant Arrays of Independent Disk) Technology, Advantage and Disadvantage of RAID Technology. E.R Model: - Basics of E.R Model, Conversion of E.R. Model into Relations.
February	Unit-II Decision Support Systems (DSS): History of DSS, Characteristics of DSS, Benefits of DSS, Components of DSS, Operational Data versus DSS Data, Relationship: One-to-one, One-to-Many, Many-to-Many, Data Warehousing and Data Mining: Introduction, Main Components of Data Warehouses, Benefits and Limitations of Data Warehouse, Data Mining: Introduction, Data Mining Tools, Data Mining Application.
March	Unit-III Advanced Database Models, Database Security: Types of Database Failures, Types of Database Recovery, Types of Database Security issue: Authorization and Authentication, Audit Trails, Firewalls, Data Encryption and Data Decryption(Data Cryptography)
April	Unit-IV Database Operation in Microsoft Access: Creating Table, Creating forms, creating a Simple Query and Modifying a Query, Types of Query, subqueries, retrieval and deletion Microsoft Power Point: Introduction, Tools, Menus, slides, Animation
May	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana

Paper with Code Structural Programming & Computer Graphics- II (A 4.06)

Class B.COM(CA)4thSEM

Session 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Unit- I Introduction to 'C' Language: Introduction, Programming Rules, Executing the Program, Operators, Decision Statement, Loop Control Statement; Structure Programming: Advantages and disadvantages of Structured Programming. scanf () and printf().
February	Unit- II Pointer: Declaration, Operations on Pointer, Array of Pointers to Arrays, Functions: Definition, Prototype, Passing parameters, Recursion, Data Structures: Array, Overview of Compilers and Interpreters, Program Development in C., difference between compiler and interpreter
March	Unit- III Data handling formatted and unformatted console functions, difference between union and structures, nesting of structures, searching sequential and binary searching by array, difference between while, do while and for loop
April	Unit- IV Computer Graphics: Computer Graphics Applications, Computer-Aided Design, Presentation Graphics, Computer Art, Entertainment Education and Training, Visualization, Image Processing, Graphical User Interfaces, Display Devices, Overview of Display Method, Raster Scan Display Processing Unit, Input Devices for Interactive Graphics, Programmers Model of Interactive Graphics Systems, Storage Formats for Pictures
May	
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana
 Paper with Code-Computer Aided Drafting & Advanced Topics in Computer-I (A 5.05) Class-B.COM(CA)5th SEM Session-2019-20

Month	Name of Topic
July	Unit - I Introduction: CAD/CAM Defined, Product cycle and CAD/CAM. Automation and CAD/CAM. Computer Technology: Introduction, CPU, Types of memory, Input/Output, Data representation, Computer Programming Languages, Operating the computer System, Introduction to Mini computers, Micro computers and programmable controllers.
August	Unit - II Computer- Aided Design: Fundamentals of CAD Introductions, Design Process, application of computers for design, Creating the manufacturing Data base, Benefits of Computer – Aided Design with examples, Hardware in Computer – Aided Design: Introduction, Design workstation, Graphics terminal, Operator input devices, Plotters and other output devices, CPU, secondary storage.
September	Unit - III Computer Graphics Software and Data Base : Introduction software Configuration of a Graphics system, Functions of a Graphic Package. Exchange of CAD Data; Role of Multimedia;
October	Unit - IV Data warehousing Components –Building a Data warehouse – Mapping the Data Warehouse to a Multiprocessor Architecture – DBMS Schemas for Decision Support – Data Extraction, Cleanup, and Transformation Tools –Metadata.
November	REVISION
December	
January	
February	
March	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: N. S. K. K. K.
 Paper with Code: E-commerce (A-100) Class: B.COM/CA/STH SEM-I Session-2019-20

Month	Name of Topic
November	Unit - I Introduction of E-commerce: Definition, Main activities of E-commerce, Benefits of E-commerce, E-commerce Applications, E-commerce systems, Advantages and disadvantages of E-commerce, E-commerce Technologies, Types of E-commerce, B2B, B2C, C2B, B2N, C2N, B2N, C2N, Mobile commerce, E-Markets, Future of E-commerce, Introduction to Portals, Functions of Portals, Advantages of Portals, Market place for E-commerce, E-commerce Portals, Types of Portals
August	Unit - II Business to Business Electronic Commerce: Inter-organizational Transactions, Introduction to Electronic Market, Online Shopping, Online Purchasing, Models of Electronic Market, Markets Categories, E-Business, B2B E-commerce, B2B application, B2B Electronic Commerce requirements, Virtual Supply Technologies, Electronic Applications Categories, Electronic Trading, E-trading in India, Auctions and the Emerging Electronic market place, Essential Elements of an Electronic Business, Differentiation in Catalogs for B2B as opposed to B2C, Instant Messaging, Electronic Data Interchange (EDI), Definition, Benefits of EDI, Applications of EDI.
September	Unit - III Business to Consumer electronic commerce: Definition, e-shops, Internet Shopping and the Trade cycle, Advantages and disadvantages of consumer e-commerce, Electronic Payment Systems, Introduction, Traditional Payment Systems, Modern Payment system, P- Banking, Credit cards, Electronic Cheques, Micro payments, Smart cards, E-cash, EFT, Security Schemes, Encryption, Digital Signatures, Security Certificates, Protocols used in Internet Security, Secure Socket Layer (SSL), Secure Hypertext Transfer Protocol (SHTTP), Secure Electronic Transaction (SET), e-commerce, T-Act
October	Unit - IV E-Banking, Online Banking, Introduction, Advantages of Online Banking, Issues in Internet Banking, Tools of Financial Banking, E-Banking Risks, e-Commerce and Internet, Definition, e-commerce Technical components, Web resources, ISP, Cookies, Evolution
November	REVISION
December	REVISION
January	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mandana

Paper with Code-(A 6 05)Computer Aided Drafting & Advanced Topics in Computer-II Class-B.COM(CA)6th SEM Session-2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Unit - I Computer Aided Design, Implementations of CAD, Features of CAD, Future of CAD, Artificial Intelgancy(AI) for intelligent and manufacturing, Element of AI, Knowledge based Expert System, Machine Vision System, Neural Networks.
February	Unit-2 Hardware & Software requirements of Auto CAD, Data Communication and networks; Data Encryption, Industrial Report, Definition and Robot history, Features of Robots, Application of Robots in Industry, Robot Programming Methods and Robot Programming Language.
March	Unit III Multimedia Definitions, Multimedia Components; Compact disk, Sounds, Image, Text, Hypertext, Hypermedia, Animation, Morphing; Video, Virtual Reality, Virtual Reality Technology and Tools, Computer-Integrated manufacturing Systems.
April	Unit - IV Computer Graphic Applications of Computer Graphics, Display devices Basic Terms; Raster-Scan Display, Random Scan Display, Direct View Storage Tube, Flat panel Display, Input Devices, hardcopy devices.
May	
June	


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LESSON PLAN PERFORMA

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Name of Assistant/Associate Professor _____

Paper with Code A 6 06 Information Technology in Business _____

Class B COM(CA)6THSEM _____

Session 2019-2020

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Unit-I Information Technology: Basis Introduction, Information Technology (IT), Present Scenario, Role of Information Technology, introduction to Telecommunications, Computer Networks, Communication Systems, Internet and W.W.W., E-Mail, Emerging trends in IT: Introduction, Electronic Commerce (E-Commerce) (EDJ) Electronic Data Interchange, Mobile Communication, Bluetooth, Global positioning system, Imminent communication, Smart Card, Imminent Technologies.
February	UNIT-II Types of Modern Data base Mgt. System, Distributed data processing - Introduction, Advantages and disadvantages of Distributed Systems, Introduction to Multimedia: introduction, Multimedia Systems, Multimedia Authoring Tools, Types of Presentations, Multimedia in Marketing and education, Introduction to virtual Reality.
March	UNIT-III New Technologies in Introduction Technology: Introduction to Hypermedia, Artificial Intelligence and Business Intelligence, Knowledge Discovery in Data base (KDD), Data wise houses and Data Marts, Data Mining and on line Analytical Processing (OLAP), Enterprise Resource Planning (ERP), Introduction, reason for growth of ERP in Market Benefits of ERP, Supply Chain Management (SCM), Enterprise evaluation of CRM, Element of Supply Chain (customer Relationship Management (CRM) & Retailers, Advantage of SCM, Geographic Information System (GIS)
April	UNIT-IV Computer in Business and Industry: Accounting Inf System (AIS), Meaning, Characteristics, its Major Sub System, Management Information System, Meaning, Concept, Input & Output of MIS, Decision support System, Office Automation Systems, Executive Inf System, Marketing Inf System and Financial Information System, Mobile Computing and Business on the Internet, Mobile computing, Mobile, Smartphone, Tele-Communicating, Wireless Mobile Computing, Business on the Internet - Electronic Catalogs, Web advertising, Secure transactions the Internet - Electronic Catalogs, Web Advertising, Secure Transactions.
May	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Karna

Paper with Code: VISUAL BASIC PROGRAMMING class: Bsc CS 6th sem Session : 2019-20

Month	Name of Topic
July	
August	
September	
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November	
December	
January	Introduction to VB : Visual and Non-visual programming, Procedural, Object-oriented and event-driven programming languages, the VB environment: Menu bar, toolbar, Project explorer, Toolbox, Properties window, Form designer, Form layout, immediate window. Event driven programming.
February	Basics of Programming: Variables: Declaration, Types of variables, Converting variables types, User-defined data types, Scope and lifetime of variables. Constants: Named and intrinsic. Operators: Arithmetic, Relational and Logical operators. I/O in VB:
March	Various controls for I/O in VB, Message box, Input box, Print statement. Programming with VB : Decisions and conditions: If statement, If-then-else, Select-case. Looping statement: Do-loops, For-next, While-end, Exit statement. Nested control structures. Arrays: Declaring and using arrays, one-dimensional and multidimensional arrays, Static and dynamic arrays, Arrays of array.
April	Programming with VB : Procedures: General and event procedures, Subroutines, Functions, Calling procedures, Arguments-passing mechanisms, Optional arguments, Named arguments, Functions returning custom data types. Working and forms: Adding multiple forms in VB, Hiding and showing forms, Load and unload statements, Active and deactivate events, Form-load event, Menu designing in VB, Database Programming using DAO and ADO, Simple Active X controls.
May	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : *Ms. K. S. K.*

Paper with Code: Software Engineering class: Bsc. CS 6th sem Session : 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Software and Software Engineering: Software characteristics, Software Processes, Software crisis, Software life cycle models, Waterfall, Prototype, Evolutionary and Spiral Models, Software engineering paradigms, Goals and principles of software engineering.
February	Software Requirement Analysis: Structured analysis, object-oriented analysis and data modelling, software requirement specification, validation. Software requirements Analysis and Specifications: Requirement engineering, requirements analysis using DFD, Data Dictionaries and E-R Diagram, Requirement documentation, Nature of SRS, Characteristics and organization of SRS.
March	Software Project Management: Planning a software project, Software cost estimation, project scheduling, personnel planning, team structure. Software configuration management, software quality and quality assurance, project monitoring, risk management.
April	Design and Implementation of Software: Software design fundamentals, software design principles, Cohesion and Coupling. Classification of Cohesion and Coupling. Function oriented design, object-oriented design, Design verification, monitoring and control.
May	
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Kar 9

Paper with Code Database Management System () Class BSc. (CS) 5th sem Session 2019-20

Month	Name of Topic
July	<p style="text-align: center;">UNIT - I</p> <p>Basics Concepts- Data, Information, Records & Files, Traditional File - Based Systems- File Based Approach-Limitations of File Based Approach, Database Approach - Characteristics of Database Approach, Database Management System (DBMS), Components of DBMS Environment, DBMS Functions, Advantages and Disadvantages of DBMS, Classification of Database Management System, Roles in the Database Environment - Database Administrator:</p>
August	<p style="text-align: center;">UNIT - II</p> <p>Centralized and Client Server DBMS Architectures, Database System Architecture - Three Levels of Architecture, External, Conceptual and Internal Levels, Schemas, Mappings and Instances. Data Independence - Logical and Physical Data Independence. Data Models - Record-Based Data Models, Object Based Data Models, Physical Data Models and Conceptual Modeling, Hierarchical, Network and Relational Model.</p>
September	<p style="text-align: center;">UNIT - III</p> <p>Entity-Relationship Model - Entity Types and Entity Sets, Attributes and Keys, Relationship and Relationship sets, Role Name & Recursive Relationship and Structural Constraints, Analysis using E-R Diagrams. Relational Data Model - Introduction, Properties of Relations, Keys, Integrity Constraints over Relations, Views. Relational Database Design - Functional Dependencies, Normalization: 1st to 3rd Normal Form, BCNF, Lossless Join and Dependency Preserving Decomposition.</p>
October	<p style="text-align: center;">UNIT - VI</p> <p>SQL - Types & Components of SQL, Data Definition and Data Types, Data Definition Commands, Data Manipulation Commands, Data Control Commands Specifying Constraints (Primary Constraint, Foreign Key, Unique, Not Null) in SQL, Schema, Basic Queries in SQL. Insert, Delete and Update Operations, Inbuilt Date, String Functions, Commit, Rollback, Save Points, Views: Introduction, Advantages of Creating Views, Features, Destroying/ Altering Tables and Views.</p>
November	Revision
December	Exams
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____

M. Kema

Paper with Code **Introduction to Internet and Web Technologies** () Class **BSc. (CS) 5th sem** Session **2019-20**

Month	Name of Topic
July	UNIT - I Introduction to the Internet and its Benefits, WWW, Hardware and Software requirements for Internet, Internet Protocols, Applications of Internet, Internet Tools - Telnet, FTP, Gopher, Archie, Veronica, Mosaic, WAIS, IRC, Online Chatting, Messaging, and Conferencing Concepts, Resources of Internet.
August	UNIT - I E-Mail Mailing Lists, Internet Addressing, Internet Service Provider (ISP), Internet ni India - Shel Account, TCP/IP Account, Home Page and Web Site, Internet Accessing, Internet Terminology, Internet Security Problems and Solutions, Overview of Intranet and its applications, Web Browsers, Search Engines, Categories of Search Engines, Searching Criterion, Surfing the Net, Hypertext Transfer Protocol (HTTP), URL.
September	UNIT- III HTML: Internet Language, Understanding HTML, Create a Web Page, Linking to other WebPages, Publishing HTML Pages, Text Alignment and Lists, Text Formatting Fonts Control, E-mail Links and link within a Page, Creating HTML Forms.
October	UNIT - VI Creating Web Page Graphics, Putting Graphics on a Web Page, Creating Animated Graphics, Custom Backgrounds and Colors, Web Page Design and Layout, Advanced Layout
November	Revision
December	Exams
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Kema

Paper with Code: Operating system () Class: Bsc CS 4th sem Session : 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Introductory Concepts: Operating system functions and characteristics, historical evolution of operating system, types of Operating System: Real time, Multi-programming, Multi-processing, Batch processing, Methodologies for implementation of O/S service system calls, system programs.
February	CPU Scheduling: Scheduling criteria, Levels of Scheduling, Scheduling algorithms, Multiple processor scheduling. Deadlocks: Deadlock characterization, Deadlock prevention and avoidance. Concurrent
March	Processes: Critical section problem, Semaphores, Classical process co-ordination problems and their solutions, Inter-process Communications. Storage Management: memory management of single-user and multi-user operating system, partitioning, swapping, paging and segmentation, Thrashing File Management
April	File Systems: Functions of the system, File access methods, allocation methods: Contiguous, allocation, linked, indexed allocation, Directory Systems: Structured Organizations, directory and file protection mechanisms.
May	
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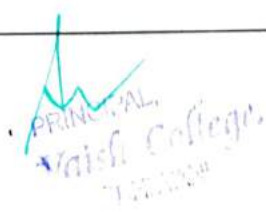
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor M. Kema
 Paper with Code: Data Structures With C/C++ () Class: Bsc CS 4th sem Session : 2019-20

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Data-Structure: Data-Structure operations, Algorithm, Complexity, Data structure and its essence. Introduction to Arrays, Array operations, Multi-dimensional arrays, sequential allocation, address calculations, sparse arrays, Stacks-Introduction to Stacks,
February	Primitive operations on stacks, representation of stacks as an array and stack applications. Queues: Introduction to queues, operations on queue, circular queue, priority queue, Applications of queue. Linked List introduction and basic operations. Header nodes, doubly linked list, circular linked list, Applications of linked list, Representation of linked list as an array, stacks and queues
March	Tree structures: Basic terminology, binary trees and binary search trees, implementing binary trees, Tree traversal algorithms, threaded trees, trees in search algorithms, AVL Trees, Polish notation and expression trees, applications of binary trees. Graph data structure and their applications. Graph traversals, shortest paths, spanning trees and related algorithms.
April	Sorting: Internal and external sorting. Various sorting algorithms, Time and Space complexity of algorithms. Searching techniques. Applications of Sorting and Searching in computer science.
May	
June	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____

Paper with Code Data communication and networking I Class B.Sc. (C.S.) held from Session 2019-20

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Month	Name of Topic
July	<p style="text-align: center;">UNIT - 1</p> <p>Introduction to Computer Communications and Networking Technologies: Idea of Computer Networks, Network Devices, Nodes and Hosts, Types of Computer Networks and their Topologies, Network Architecture and the OSI Reference Model, TCP/IP reference model</p>
August	<p style="text-align: center;">UNIT-2</p> <p>Analog and Digital Communications: Concept of data, signal, channel, bit-rate, maximum data-rate of channel, Representing Data as Analog Signals, Representing Data as Digital Signals, Data Rate and Bandwidth, Capacity, Baud Rate, Asynchronous and synchronous transmission, data encoding techniques, Modulation techniques, Digital Carrier Systems, Guided and Wireless Transmission Media, Communication Satellites, Switching and Multiplexing, Dharp Networking, Analog Modern Concepts.</p>
September	<p style="text-align: center;">UNIT-3</p> <p>Data Link Layer: Framing, Flow Control, Error Control; Error Detection and Correction; Media Access Control: Random Access Protocols, Token Passing Protocols; Token Ring; Introduction of Ethernet, FDDI, Wireless LANs. Network Layer and Routing Concepts: Virtual Circuits and Datagram's. Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Internetworking.</p>
October	<p style="text-align: center;">UNIT-4</p> <p>Transport layer: Elements of Transport protocol: Addressing, Connection Establishment, Flow Control, Buffering, Crash recovery. Internet Transport protocol: UDP: Introduction, Real time Transport protocol, Remote Procedure Cal. Application Layer: Domain Name System, Electronic Mail, World Wide Web.</p>
November	Revision
December	Exams
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mrs. Hema

Paper with Code **STRUCTURED SYSTEMS ANALYSIS AND DESIGN ()** Class BSc. (CS) 2nd sem Session 2019-20

Name of Topic

Month

July

August

September

October

November

December

January

UNIT-I
Introduction to system, Definition and characteristics of a system, Elements of system. Types of system, System development life cycle, Role of system analyst, Analyst/user interface, System planning and initial investigation: Introduction, Bases for planning in system analysis, Sources of project requests, Initial investigation, Fact finding, Information gathering, information gathering tools.

UNIT-II
Structured analysis, Tools of structured analysis: DFD, Data dictionary, Flow charts, Gantt charts, decision tree, decision table, structured English, Pros and cons of each tool

February

. Feasibility study: Introduction, Objective, Types, Steps in feasibility analysis, Feasibility report, Oral presentation, Cost and benefit analysis: Identification of costs and benefits, classification of costs and benefits, Methods of determining costs and benefits, Interpret results of analysis and take final action.

UNIT-III
System Design: System design objective, Logical and physical design, Design Methodologies, Structured design, Form-Driven methodology (IPO charts), structured walkthrough, Input/Output and form design: Input design,

March

Objectives of input design, Output design, Objectives of output design, Form design, Classification of forms, requirements of form design, Types of forms, Layout considerations, Form control.

UNIT-IV
System testing: Introduction, Objectives of testing, Test plan, testing techniques/ Types of system tests, Quality assurance goals in system life cycle, System implementation, Process of implementation, System evaluation, System maintenance and its types, System documentation, Forms of documentation.

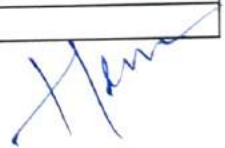
April

Exams

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June


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____

19/1/2020

Paper with Code Programming in C () Class BSc. (CS) 2nd sem Session 2019-20

Month	Name of Topic
July	
August	
September	
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November	
December	
January	UNIT-I Basic concepts of programming, techniques of problem solving, algorithm designing and flowcharting, concept of structured programming-Top-Down design, Development of efficient program; program correctness; Debugging and testing of programs, Algorithm for searching, sorting (Insertion, Exchange), Merging of Order-List.
February	UNIT-II Overview of C: History of C, Importance of C, Structure of a C Program Elements of C: C character set, identifiers and keywords, Data types: declaration and definition. Operators: Arithmetic, relational, logical, bitwise, unary, assignment and conditional operators and their hierarchy & associativity, input/output statements, Arithmetic Expression, Evaluation of Arithmetic Expression, Type-casting and Conversion.
March	UNIT-III Decision making and branching: Decision making with if statement, if-else statement, nested if, else-if ladder, switch statement, goto statement. Decision making and looping: for, while, and do-while loop; Jumps in loop, break, continue. Functions: Definition, prototype, passing parameters, Recursion.
April	UNIT-IV Pointers: Declaration, operations on pointers, array of pointers, pointers to arrays. Data Structures: Arrays: One Dimensional, Multidimensional, Pointers and arrays. Strings: String Constants, Input and Output, String Functions. Structure and Unions. File Handling: Standard I/O text File. Writing to File, Reading a File.
May	Exams
June	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor M. S. Sharma
 Paper with Code Computer Fundamentals & MS-Office (1.1) Class BSc. (CS) 1st sem Session 2019-20

Month	Name of Topic
July	Introduction : Historical evolution of computers, Classification of computers, Block Diagram along its components and characteristics, Usefulness of Computers. Human being Vs computer, Computer as a tool, Applications of computers. Number Systems: Definition of Number system, necessity of binary number system, binary, decimal, octal and hexadecimal number system, interconversion of numbers, Representation of integers, fixed and floating points, BCD codes, Error detecting and correcting codes, character Representation-ASCII, EBCDIC, Binary arithmetic.
August	Input/Output Devices: Keyboards, mouse, joysticks, trackballs, digitizer, voice-recognition, optical-recognition, scanners, terminals, point-of-sale terminals, machine-vision systems. Hard-copy devices: Impact printers - DMPs, Daisy-wheel printers, Line printers. Non-impact printers - Inkjet, Laser, Thermal, LED; Plotters. Soft-copy devices: Monitors, video-standards (VGA and SVGA). Memory & Mass Storage Devices: Characteristics of memory systems, types of memory, RAM, ROM, magnetic disks - floppy disk, hard-disk; optical disks - CD, CD-I, CD-ROM; Magnetic tapes; Concepts of Virtual and Cache memory
September	Software Concepts: Introduction, types of software - System & Application software; Language translators - Compiler, Interpreter, Assembler; Operating system - Characteristics, bootstrapping, types of operating, operating system as a resource manager; BIOS; System utilities - Editor, Loader, Linker, File Manager. Concept of GUI, GUI standards. Introduction to Algorithm & Flowcharts, Advantages & Disadvantages.
October	MS-OFFICE:MS-Word :- Creating a document, font operation, bullet and numbering, find & replace, hyper linking, mathematical operation, Create table and flow chart, Macro, Mail merge, Correcting grammar, protect files, difference between doc and docx.MS-PowerPoint :- Creating single and multiple slide, Animation, manual and automatic slide show, hyper linking, DFD, shape and style.MS-Excel:- Create sheet and rename sheet, table and operation, cells operation, hyper linking, Function(mathematic, logical), sort and data tools, protection(sheet, workbook).
November	revision
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Hema

Paper with Code Computer architecture (1.2) Class BSc. (CS) 1st sem Session 2019-20

Month	Name of Topic
July	Basic building blocks and Circuit Design: OR, AND, NOT, XOR Gates; De Morgan's theorem, laws and theorem of Boolean algebra, Simplifying logic circuits—sum of product and product of sum form, algebraic simplification, Karnaugh simplification
August	Arithmetic Circuits: Adder, Subtractor, parallel Binary-adder/Subtractor, Binary Multiplier and Divider. Combinational Circuits: Decoders and Encoder, Multiplexer and De-multiplexer circuits, Design of code Converters.
September	Sequential Circuits: Flip-flop-S-R, D, J-K, T, Clocked Flip-flop, Race Around condition, Master-Slave Flip-Flop, Realization of One Flip-Flop using other Flip-Flop, Shift-Registers, Counters-Ripple, Modular Synchronous, Ring & Twisted-Ring Counter.
October	Register transfer and Micro-operations: Register transfer Language, Bus and Memory Transfer, Arithmetic, Logic Micro-operations, Shift Micro-operations. Basic computer organization and Design: Instruction and instructions codes, computer instructions, timing and control, instruction cycle, memory references instructions, input- output reference instructions and interrupts;
November	revision
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. PIYUSH

Paper with Code : ORGANIZATIONAL BEHAVIOUR

19BBA201

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	UNIT-I Concept & scope of organizational behaviour, historical development of organizational behaviour, organization behaviour processes, Role of Managers in OB, Interpersonal Roles-Informational Roles-Decisional Roles, Challenges & Opportunities for OB.
March	UNIT-II Individual Processes, Personality, values, attitudes, perception, learning and motivation.
April	UNIT-III Team Processes: Interpersonal communication, group dynamics, teams and teamwork, decision-making, conflict and negotiation in workplace, power and politics.
May	UNIT-IV Organizational processes: Elements of organization structure, organizational structure and design, organizational culture, organizational change.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MS. RINKU

Paper with Code : BUSINESS STATISTICS

19BBA202

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	Unit 1 Introduction, definition, scope, functions, importance, limitations and distrust of statistics; types of statistical methods; data collection and analysis; types of data: primary and secondary data; characteristics of a graph: types of graph and their merits and demerits.
March	Unit 2 Measures of central tendency: meaning and definition; Types of averages, median, mode, arithmetic mean, geometric mean, harmonic mean, quadratic mean, moving average, progressive average; relation between mean, median and mode.
April	Unit 3 Measures of dispersion and skewness: absolute and relative measures of dispersion range, quartile deviation, mean and standard deviation; difference between skewness and dispersion, empirical relation among various measures of dispersion, moments and kurtosis.
May	Unit 4 Correlation- meaning, types, Carl Pearson coefficient of correlation, Spearman's rank correlation, regression analysis, time series analysis.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

DR. MONIKA MITTAL

Paper with Code : MACRO ECONOMICS FOR BUSINESS

19BBA203

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	UNIT-I Nature and scope of macroeconomics, circular flow of income; national income - alternative concepts of income and their interrelationship, measurement of national income, stock and flow variables, aggregate demand, supply and macroeconomic equilibrium, features and phases of business cycle.
March	UNIT-II Macro analysis of consumer behaviour, income consumption relationship, absolute, relative and permanent income hypothesis; Concept of Investment & its types, Investment function.
April	UNIT-III Fiscal policy: Objectives, Instruments and its role in growth and price stability, Public debt: nature and management; business taxation - types, rationale and incidence.
May	UNIT-IV Money supply measures; credit creation process and money multiplier, instruments of monetary policy; promotional and regulatory role of central bank; Inflation - types, causes, effects and control measures.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. VISHNUKANT

Paper with Code : BUSINESS COMMUNICATION

19BBA204

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	UNIT-I Business Communication: Nature and process, forms of communication, role of communication skills in business, communication networks, barriers to communication
March	UNIT-II Communication Skills: Listening skills, cognitive process of listening, barriers to listening, reading skills, speaking skills, public speaking, Keynesian and paralanguage.
April	UNIT-III Written Communication: Types, structures and layout of business letters, sales letters, claim letters, employment letters, writing memo, notice and circular; Business Reports: Purpose and types, framework of business reports, presentation of reports.
May	UNIT-IV Business Meeting, brochures, issuing notice and agenda of meeting and recording of minutes of meetings, email and telephone etiquette, interview and presentation skills.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND GARG

Paper with Code : MIS FUNDAMENTALS

19BBA205

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	Unit- I Concept of Data and Information, Introduction to Information Systems, The Fundamental Roles of 'IS' in Business , Types of Information Systems, .Operations Support Systems, .Management Support Systems, Managerial Challenges of Information Technology, Success and Failure with IT, Development IS Solutions, Challenges and Ethics of Information Systems, Challenges of IS Careers, IS Career Opportunities
March	Unit- II Systems Concepts, Components of Information Systems, Information System Resources, People Resources, Hardware Resources, Software Resources, Data Resources, Network Resources, Information System Activities, Input of Data Resources, Processing of Data into information , Output of Information Products, Storage of Data Resources, Control of System Performance, Recognizing Information Systems
April	Unit- III Functional Business Systems, Marketing System(Interactive Marketing, Targeted Marketing, Sales Force Automation, Digital Marketing, Manufacturing Systems, Computer Integrated Manufacturing, Human Resource Systems, HRM and Internet, HRM and Corporate Intranets , Accounting Systems, Online Accounting Systems
May	Unit- IV Introduction to Enterprise Systems, Concept of ERP, Benefits and Challenges of ERP, The Costs of ERP, Causes of ERP Failures, ERP Implementation Strategies, Trends in ERP, Cloud Based and Hosted ERP, Concepts of SCM and CRM (Introduction, Basic Architecture, Benefits and Challenges)


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. RITESH

Paper with Code : COMPUTERIZED ACCOUNTING SYSTEM

19BBA206

Class BBA 2nd Sem.

Session 2019-20

Month	Name of Topic
February	<ol style="list-style-type: none">1. Basic introduction of Tally2. Creation of Company3. Creation of Groups and Accounts4. Trail Balance
March	<ol style="list-style-type: none">1. Designing and Creating Vouchers- Sales, Purchases, Sales return, Purchase Return, Salesorder, Purchase Order, Contra, Journal.2. Processing for Reports to prepare ledger Accounts3. Balance sheet4. Profit & Loss
April	<ol style="list-style-type: none">1. Enter the data through bank receipt, bank payment, cash receipt, cash payment2. Bank Reconciliation3. Maintain Cost Center4. Maintain payroll transactions and maintain payroll control system
May	<ol style="list-style-type: none">1. Maintain Budget2. Manufacturing (Bill of Material)3. Introduction to GST


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **MR. ANAND GARG**

Paper with Code –**COST & MGT. ACCOUNTING** **BBAN-301**

Class **BBA 3rd Sem.** **Session 2019-20**

Month	Name of Topic
August	UNIT-I Introduction- Objectives, elements of cost, cost sheet, importance of cost accounting, types of costing, installation of costing system, difference between cost accounting and financial accounting. Material Control- meaning and objectives of material control, material purchase procedure, fixation of inventory levels- Reorder level, EOQ, Minimum level, Maximum level, Danger level, Methods of valuing material issues.
September	UNIT II Labour Cost Control;- importance, methods of Time keeping and Time booking, Treatment and control of labour turnover, idle time, overtime, Systems of wage payments – Time wage system, Piece wage system, Balance of debt method, Overhead;- classification, allocation, apportionment of overhead including machine hour rate, Methods of Costing;- Job costing, Batch costing, Contract costing, Process costing fundamentals, Process loss and gain.
October	UNIT III Management Accounting;- Meaning, Nature, Scope, Objective and Functions, Marginal Costing and profit planning, practical application of marginal costing techniques. Responsibility accounting;- types of responsibility centers, performance evaluation criteria, Responsibility reporting. Budgeting;- role of budgets and budgeting in organization, budgeting process, operational and financial budgeting.
November	UNIT IV Nature and type of Financial statements; techniques of financial statement analysis, Ratio analysis, Fund Flow and Cash Flow analysis, Techniques in performance measurements. Management Accounting Information for activity and process decision; Capital budgeting techniques.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code : MARKETING MANAGEMENT

BBAN-303

Class BBA 3rd Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Introduction to Marketing; difference between marketing and selling; core concepts of marketing; marketing mix; marketing process; marketing environment
September	UNIT-II Determinants of consumer behaviour; consumer's purchase decision process (exclude industrial purchase decision process); market segmentation; target marketing; differentiation and positioning; marketing research; marketing information system
October	UNIT-III Product and product line decisions; branding decisions; packaging and labelling decisions; product life cycle concept; new product development; pricing decisions
November	UNIT-IV Marketing channels: retailing, wholesaling, warehousing and physical distribution, conceptual introduction to supply chain management, conceptual introduction to customer relationship marketing; promotion mix:- personal selling, advertising, sales promotion, publicity


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND GARG

Paper with Code : CAPITAL MARKETS

BBAN-303

Class BBA 3rd Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Meaning, nature and role of capital market, features of developed capital market, reforms in the capital market, regulatory framework of capital market, capital market instruments and innovation in financial instruments.
September	UNIT II Primary capital market scenario in India, primary market intermediaries, primary market activities, methods of raising resources from primary market; secondary market scenario in India, reforms in secondary market, organization and management, trading and settlement, Listing of securities, Stock market index, steps taken by SEBI to increase liquidity in the stock market.
October	UNIT III Meaning, need and benefits of depository system in India, difference between demat and physical share, depository process, functioning of NSDL and SHCIL, Importance of debt market in capital market, participant in the debt market, types of instruments treated in the debt market, primary and secondary segments of debt market.
November	UNIT IV Role and policy measures relating to development banks and financial institutions in India, products and services offered by IFCI, IDBI, IIBI, SIDBI, IDFC, EXIM Bank, NABARD and ICICI, Meaning and benefits of mutual funds, types of mutual funds, SEBI guidelines relating to mutual funds.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code : INTRODUCTION TO INFORMATION TECHNOLOGY

BBAN-304

Class BBA 3rd Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Documentation using MS WORD; Tool bars, menus, creating and editing documents, format, header and footer, drop cap, auto text, auto correct, spelling and grammar tools, dictionary, page formatting, mail merge, macros, tables, file management and printing
September	UNIT II Electronic spreadsheet; creating and editing, formatting, moving and copying data, functions, types of graph, formatting cells, macros, conditional formatting.
October	UNIT III Presentations using MS PowerPoint; creating manipulating and enhancing slides; excel charts, word art, layering and objects, animation and sounds, inserting pictures, inserting sound.
November	UNIT IV Introduction to TALLY


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. RITESH

Paper with Code : ENVIRONMENT STUDIES

19BBA305

Class BBA 3rd Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Multidisciplinary nature of environmental studies: Definition, scope and importance Need for public awareness; Renewable and non-renewable resources: Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
September	UNIT-II Ecosystems Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.
October	UNIT-III Environmental Pollution: Cause, effects and control measures of - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Role of an individual in prevention of pollution. Disaster Management: floods, earthquake, cyclone and landslides.
November	UNIT-IV Social Issues and Environment: From Unsustainable to Sustainable development, Water conservation, rain water harvesting, watershed management. Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion. Human Population and Environment: Population growth, Environment and human health, Role of Information Technology in Environment and human health.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. RITESH

Paper with Code : DISASTER MANAGEMENT

BBAN306

Class BBA 3RD Sem.

Session 2019-20

Month	Name of Topic
August	UNIT I Structure of the atmosphere; pressure, temperature, precipitation, cloud classification and formation; calories force; El Nino phenomenon; western disturbance; energy model and budget of the earth; Primary differences and formation of core, mantle, crust, atmosphere and hydrosphere; magma generation and formation of igneous rock; weathering; erosion; transportation and deposition of earth's material by running water; river meandering and formation of ox-bow lake.
September	UNIT II Depletion of natural capital; development as causes of disaster; rapid population growth, environmental pollution; epidemics; Industrial accidents and chemical releases; multipurpose project and resettlement issues; humanitarian assistance In emergencies.
October	UNIT III Floods- flood plains, drainage, basins, nature and frequency of flooding, flood hazards, urbanization and flooding, flood hydrographs, dams barrages and rivers diversions, creation of reservoir, influence on micro-climate, impact on flora and fauna. Landslides- landslide analysis, determination of stability and safety factor. Coastal hazards- tropical cyclone, coastal erosion; sea level changes and its impact on coastal areas and coastal zone management. Climate change- Emissions and global warming, impact on sea level in south Asian region environmental disruptions and their implications.
November	UNIT-IV Earth quakes- preliminary concepts, seismic waves, travel-time and location of epicenter, nature of destruction, a seismic designing, quake resistant building and dams. Tsunamis-causes and location of tsunamis; disturbance in sea floor and release of energy, travel time and impact on fragile coastal environment volcanoes-causes of volcanism, volcanism materials, geographic distribution of volcanoes

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. ANAND GARG
Paper with Code : FINANCIAL MANAGEMENT 19BBAA01
Class BBA 4th Sem. Session 2019-20

Month	Name of Topic
January	UNIT-I Evolution, scope and function of finance managers, objectives of financial management, profit vs. wealth maximization
February	UNIT-II Investment Decisions; brief introduction of cost of capital; methods of capital budgeting; ARR, PBP, NPV and IRR, capital rationing (simple problems on capital budgeting methods)
March	UNIT-III Financing decision: operational and financial leverage; capital structure theories - NI, NOI and traditional approach; EPS-EBIT Analysis
April	UNIT-IV Dividend decision and Management of working capital; determinants of dividend policy; Walter's Dividend Model; Operating Cycle, brief discussion on management of cash, receivable and inventory (simple problem on operating cycle and inventory management)


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code **BBA-403**

BBA 2nd

SEMESTER- IVth

Month	Name of Topic
January	Introduction – nature and scope of human resource management, HRM objectives and functions, HRM policies, HRM in globally competitive environment; strategic human resource management
February	Acquiring human resources – human resource planning, job analysis and job design, employee involvement, flexible work schedule, recruitment, selecting human resources, placement and induction, right sizing
March	Developing human resources – employee training, training need assessment, training methods and evaluation, cross-cultural training, designing executive development programme, techniques of executive development, career planning and development
April	Enhancing and rewarding performance – establishing the performance management system, establishing rewards and pay plans, employee benefits, ensuring a safe and healthy work environment
May	Revision of Full Syllabus. Taking Class Test & Power Point Presentation.
Examination	


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND GARG

Paper with Code BUSINESS RESEARCH METHODS

19BBA403

Class BBA 4th Sem.

Session 2019-20

Month	Name of Topic
January	UNIT-I Introduction to research methods: Definition and Scope; characteristics of research in Social Science; identification of research problem; Terminology of research: Concept, Constructs, Theory, Variables, Proposition, Hypothesis and Models. Types of research and Research Design: Descriptive vs. Analytical, applied vs. fundamental, quantitative vs. qualitative and conceptual vs. Empirical, Types of research designs.
February	UNIT II Qualitative research methods: phenomenology, ethnography, case studies. Focus Groups: Discussion Guide and Approaches: observation methods and tools, content analysis; qualitative data analysis Quantitative Research: Scale of measurement; Comparative and Non Comparative methods, Reliability and Validity; Questionnaire design; Sampling Distribution, Technique and Sample size Descriptive Statistics: Frequency distribution, Measure of Central tendency, Dispersion and Shape of distribution.
March	UNIT III Statistical Inference: Parametric and non-parametric tests, comparison of variance, Hypothesis- Meaning and characteristics of a good hypothesis, formulating a hypothesis, Ways of stating a hypothesis, Types of Hypothesis, Testing Experimental Hypothesis- The general nature of standard error, Test of Significance for large samples, test of significance of small samples Level of significance, degrees of freedom, Errors in Hypothesis- Type I, Type II errors, correlation and regression.
April	UNIT IV Report Writing: Types and Layout of reports, Basic concept of paper/thesis writing, ethical issues, copyright, intellectual property rights and patent laws, plagiarism, reproduction of published material, References and Bibliography.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. PIYUSH
Paper with Code BUSINESS LAWS 19BBA404
Class BBA 4th Sem. Session 2019-20

Month	Name of Topic
January	UNIT-I The Indian Contract Act 1872: meaning and essentials of a valid contract, types of contract, offer and acceptance, consent and free consent, consideration, void agreements, Discharge of contract; Breach of contract and its remedies, quasi contract.
February	UNIT-II Negotiable Instruments Act 1881: Meaning of negotiable instruments, type of negotiable instruments, promissory note, bill of exchange, cheque. Sale of Goods Act 1930: Sale and agreement to sell, implied conditions and warranties, sale by non-owners, rights of unpaid seller.
March	UNIT-III The Companies Act 2013: Meaning and types, Incorporation, Memorandum & Articles of association, Prospectus, Issue of shares and bonus shares, rights issue, sweat equity, role of directors, share qualification, company meetings.
April	UNIT-IV Consumer Protection Act 1986: Objectives and machinery for consumer protection, defects and deficiency removal, rights of consumers; Salient features of Right to Information Act 2005.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **MS. NANDINI**
Paper with Code : DATABASE MANAGEMENT 19BBA405
Class BBA 4th Sem. Session 2019-20

Month	Name of Topic
January	UNIT-I Introduction to DBMS- data versus information, record, file, data dictionary, database administrator, functions and responsibilities, file oriented system versus database system.
February	UNIT II Database system architecture- introduction, schemes, sub schemas and instances, data base architecture, data independence, mapping, data models, types of database system.
March	UNIT III Data Base Security – threats and security issues, firewalls and database recovery, Techniques of database security, distributed.
April	UNIT IV Data Warehousing and Data Mining – emerging data base technologies, internet, database, digital libraries, multimedia data base, mobile data base, spatial data base.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code- HUMAN RIGHTS AND VALUES

BBAN406

Class BBA 4th Sem.

Session 2019-20

Month	Name of Topic
January	UNIT-I Concept of Human rights, Indian and International perspectives of human rights, evolution of human rights, Human rights movements in India, Classification of human rights and relevant constitutional provisions to Right to life and Dignity, Right to Equality, Right against exploitation, Cultural and educational rights, Economic rights, Political rights and social rights.
February	UNIT II Deprivation of human rights – Core issues; Poverty, Overpopulation, illiteracy, Problems of unsustainable development, Disadvantaged groups – women, children, scheduled castes and schedule tribes, homeless and slum dwellers, physically and mentally handicapped, refugees and internally displaced persons.
March	UNIT III Redressal mechanism for human rights violations;- Violation of human rights by State, Violation of human rights by individuals and groups, Nuclear weapons and terrorism, Government systems for redressal, Judiciary, National Human Commission and other statutory commissions, Media advocacy, Creation of human rights literacy and awareness.
April	UNIT IV Concept of human values;- Aim of education and value education, Evolution of value oriented education, concept of human values, Types of values, components of value education, Character formation towards positive personality – truthfulness, sacrifice, sincerity, self control, altruism, tolerance, scientific vision, Value education towards National and Global development, National integration and international understanding.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **MR. VISHNUKANT**
Paper with Code : **Production & Materials Management** **BBAN-501**
Class **BBA 5th Sem.** **Session 2019-20**

Month	Name of Topic
August	UNIT-I Production economics: introduction, evaluation, major long term and short term decisions; objectives, importance and activities, differences between products and services. Meaning and types of production systems: production to order and production to stock; plant location; factors affecting location and evaluating different locations.
September	UNIT-II Production planning and control, objectives, advantages and elements. PPC and production systems, sequencing and assignment problems. Inventory control: objectives, advantages and techniques (EOQ model and ABC analysis); quality control: meaning and importance, inspection, quality control charts for variables and attributes.
October	UNIT-III Materials Management: meaning, objectives, importance, functions and organization materials information system; standardization, simplification and variety reduction; value analysis and engineering.
November	UNIT-IV Stores Management: meaning, objectives, importance and functions, stores layout; classification and codification; inventory control of spare parts; materials logisticswarehousing management, materials handling, traffic and transportation; disposal of scrap, surplus and obsolete materials.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MS. SAKSHI

Paper with Code : COMPANY LAW

BBAN-502

Class BBA 5th Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Company-meaning and features, kinds of companies, registration and incorporation, memorandum of association, article of association, prospectus
September	UNIT-II Share capital- issue and allotment of shares, transfer of shares, types of shares, alteration of share capital, buy back of shares, surrender and forfeitures of shares, bonus shares Debentures- meaning and kinds, debentures trust deed, duties of trustees
October	UNIT-III Company administration and meetings- Board of Directors- qualifications, appointments, duties, remuneration Meetings- statutory meeting, annual general meeting, extra-ordinary general meeting
November	UNIT-IV Prevention of oppression and mismanagement Winding up- types of winding up, appointment of liquidator, powers of liquidator, conduct of winding up


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND GARG

Paper with Code : Indian Business Environment

BBAN-503

Class BBA 5th Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Nature, components and determinants of business environment; basic nature of Indian economic system; growth of public and private corporate sector; social responsibility of business; economic reforms since 1991 – an overview.
September	UNIT-II Review of industrial policy developments and pattern of industrial growth since 1991; industrial licensing policy; public sector reforms; privatization and liberalization trends; growth and problems of SMEs; industrial sickness.
October	UNIT-III Materials Management: meaning, objectives, importance, functions and organization materials information system; standardization, simplification and variety reduction; value analysis and engineering.
November	UNIT-IV Trend and pattern of India's foreign trade and balance of payments; latest foreign trade policy; India's overseas investments; policy towards foreign direct investment; globalization trends in Indian economy; role of MNCs; impact of multilateral institutions (IMF, World Bank and WTO) on Indian business environment.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. MANOJ

Paper with Code : Computer Networking & Internet

BBAN-504

Class BBA 5th Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Introduction to network, advantages and disadvantages of network, network topologies, analog and digital signal, analog and digital transmission, transmission media, network categories, wireless networks.
September	UNIT-II OSI model and TCP/IP model, protocols and their classification, flow control and cryptography, routing, Firewall.
October	UNIT-III Overview of internet, internet service provider, setting windows environment for dial up networking, search engine, searching web using search engine, audio on internet, newsgroup, subscribing to news groups.
November	UNIT-IV Intranet concepts and architecture, building corporate world wide web, HTTP protocol, intranet infrastructure, fundamental of TCP/IP, intranet security design, intranet as a business tools, future of intranet, protocols of communication.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND GARG

Paper with Code : Presentation Skills & Personality Development

BBAN-505

Class BBA 5th Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Introduction – Meaning, types of presentation: presentation that deeply involves the audience, presentation that creates excitement, persuasive presentation, presentation evoking emotional appeal, presentation that sells a new idea, humorous presentation. Planned and unplanned presentation, planning a presentation – analyzing the audience, location of presentations, objective of presentation, researching the topic; structuring the presentation, presentation notes and session plan.
September	UNIT-II Methods of presentation – Fish bowl, role plays, group discussion, conference, seminar, workshop, clinics, brainstorming, simulations, games, questionnaire; delivering presentation – presenter effectiveness, difficult situations and nerves, motivation and attention. Outcomes of presentation – inspiring presentation, presentation that builds trust, presentation that offers a solution, value added presentation, presentation that facilitates decision making.
October	UNIT-III Concept of personality, personality consciousness, personality patterns, personality syndrome; symbols of self, clothing, names and nicknames, speech, age, success, reputation, moulding the personality pattern, persistence and change. Personality determinants – physical intellectual, emotional and social determinants, aspirations and achievements, educational determinants and family determinants.
November	UNIT-IV Personality development – healthy personalities, developing self-awareness, managing personal stress, solving problems analytically and creatively; grooming – appearance, dress sense, personal hygiene, etiquettes and body language; time management, public speaking.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. PANKAJ

Paper with Code : Cyber Security

BBAN-506

Class BBA 5th Sem.

Session 2019-20

Month	Name of Topic
August	UNIT-I Concept of information society, knowledge society, cyber space, digital economy, critical infrastructure. Critical information infrastructure, internet as global Information infrastructure.
September	UNIT-II Cyber terrorism, terrorist atrocities, the role of IT by terrorist, the power of cyber terrorism, characteristic of cyber terrorism , factors contributing to the existence of cyber terrorism, real examples of cyber terrorism, political orientation of terrorism, economic consequences.
October	UNIT-III Cybercrime, types of cybercrime: hacking, virus, worm, Trojan horse, mail ware, fraud and theft, cyber homicide, current cyber-attack methods, criminal threats to IT infrastructure, web security, basic cyber forensics , internal penetration, external penetration, your role on cyber-attacks. Cybercrimes and law, cyber jurisdiction, Indian IT ACT.
November	UNIT-IV Fundamental concepts of information security, information warfare, levels of information war, cost of information warfare, cyber disaster planning, why disaster planning, companywide disaster planning, business impact analysis.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. ANAND GARG
Paper with Code : Income Tax BBAN-601
Class BBA 6th Sem. Session 2019-20

Month	Name of Topic
January	UNIT-I Basic concepts of income tax, residential status and tax incidence, income exempted from tax.
February	UNIT-II Income from salaries, income from house property and income from profits and gains of business and profession.
March	UNIT-III Income from capital gains, income from other sources, set off and carry forward of losses, clubbing of income, deduction of tax at source.
April	UNIT-IV Deductions from gross total income, assessment of individuals.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MS. ANJALI

Paper with Code : System Analysis & Design

BBAN-602

Class BBA 6th Sem.

Session 2019-20

Month	Name of Topic
January	UNIT-I Introduction to analysis and design: - System and its characteristics, components, environment and classification, SDLC, Case tools for analyst, role of system analyst, ER data models, feasibility study – economic, technical, operational.
February	UNIT-II Design of Application: - DFDs, form design, screen design, report design, structure chart, data base definition, equipment specification and selection, personnel estimates, I-O design.
March	UNIT-III Implementation:- data dictionary, decision tables, decision trees, logical design to physical implementation.
April	UNIT-IV Introduction to distributed data processing and real time system:- evaluating distributed system, designing distributed data base, event based real time analysis tools, state transition diagrams.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code : Foundation of International Business BBAN-603

Class BBA 6th Sem.

Session 2019-20

Month	Name of Topic
January	UNIT-I Types of international business; basic structure of international business environment; risk in international business; motives for international business; barriers to international business; global trading and financial system – an overview.
February	UNIT-II Foreign market entry modes; factors of country evaluation and selection; decisions concerning foreign direct and portfolio investment; control methods in international business.
March	UNIT-III Basic foreign manufacturing and sourcing decisions; product and branding decisions for foreign markets; approaches to international pricing; foreign channel and logistical decisions.
April	UNIT-IV Accounting differences across countries; cross cultural challenges in international business; international staffing and compensation decisions; basic techniques of risk management in international business.


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. VISHNUKANT

Paper with Code : Consumer Protection BBAN-604

Class BBA 6th Sem. Session 2019-20

Month	Name of Topic
January	UNIT-I Concept and types of consumer, need for consumer protection; approaches to consumer protection; consumer buying motives; doctrines of caveat emptor and caveat venditor; concept of consumer's sovereignty; basic consumer rights.
February	UNIT-II Measures for consumer protection in India; basic provisions of the Consumer Protection Act.(CPA)1986; organizational set up for consumer protection under CPA; procedure of filing a complaint; relief available.
March	UNIT-III Competition Act – Provisions relating to consumer protection; Role of voluntary consumer organizations; formation and registration of a voluntary consumer organization, business self-regulation, consumer awareness – role of media and government.
April	UNIT-IV Recent developments in consumer protection movement; consumer information and knowledge as means of protection; sources of consumer information, ethical marketing as an instrument of consumer protection, Role of Advertising Standard Council of India in consumer protection.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. RITESH

Paper with Code : E-Commerce

BBAN-605

Class BBA 6th Sem.

Session 2019-20

Month	Name of Topic
January	UNIT-I Introduction – meaning, nature, concepts, advantages and reasons for transacting online, categories of e-commerce; planning online business: nature and dynamics of the internet, pure online vs. brick and click business, assessing requirement for an online business, designing, developing and deploying the system, one to one enterprise.
February	UNIT-II Technology for online business – internet, IT infrastructure; middleware contents: text and integrating e-business applications; mechanism of making payment through internet: online payment mechanism, electronic payment systems, payment gateways, visitors to website, tools for promoting website; plastic money: debit card, credit card; laws relating to online transactions.
March	UNIT-III Applications in e-commerce – e-commerce applications in manufacturing, wholesale, retail and service sector.
April	UNIT-IV Virtual existence – concepts, working, advantages and pitfalls of virtual organizations, workface, work zone and workspace and staff less organization; designing on E-commerce model for a middle level organization: the conceptual design, giving description of its transaction handling, infrastructure and resources required and system flow chart; security in e-commerce: digital signatures, network security, data encryption secret keys, data encryption.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mrs. Manisha

Paper with Code: BCA-101: COMPUTER & PROGRAMMING FUNDAMENTALS

Class: BCA 1st

Session: 2019-2020

Month	Name of the Topic
July	Computer Fundamentals: Generations of Computers, Definition, Block Diagram along with its components, characteristics & classification of computers, Limitations of Computers, Human-Being VS Computer, Applications of computers in various fields. Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM. Cache Memory, flash memory, Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk, optical disks i.e. CD, DVD, virtual memory
August	Computer hardware & software: I/O devices, definition of software, relationship between hardware and software, types of software. Overview of operating system: Definition, functions of operating system, concept of multiprogramming, multitasking, multithreading, multiprocessing, time-sharing, real time, single-user & multi-user operating system. Computer Virus: Definition, types of viruses, Characteristics of viruses, anti-virus software.
September	Computer Languages: Analogy with natural language, machine language, assembly language, high-level languages, fourth generation languages, compiler, interpreter, assembler, Linker, Loader, characteristics of a good programming language, Planning the Computer Program: Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming, Advantages and disadvantages of Structured programming.
October	Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN), Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels(media), Introduction to internet and its uses, Applications of internet, Hardware and Software requirements for internet, Intranet, Applications of intranet
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Anjali

Paper with Code: BCA-102: PC SOFTWARE

Class: BCA 1st

Session 2019-2020

Month	Name of the Topic
July	MS-Windows: Operating system-Definition & functions, basics of Windows. Basic components of windows, icons, types of icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders. Control panel – display properties, adding and removing software and hardware, setting date and time, screensaver and appearance. Using windows accessories.
August	Documentation Using MS-Word - Introduction to word processing interface, Toolbars, Menus, Creating & Editing Document, Formatting Document, Finding and replacing text, Format painter, Header and footer, Drop cap, Auto-text, Autocorrect, Spelling and Grammar Tool, Document Dictionary, Page Formatting, Bookmark, Previewing and printing document, Advance Features of MS-Word-Mail Merge, Macros, Tables, File Management, Printing, Styles, linking and embedding object, Template.
September	Electronic Spread Sheet using MS-Excel - Introduction to MS-Excel, Cell, cell address, Creating & Editing Worksheet, Formatting and Essential Operations, Moving and copying data in excel, Header and footer, Formulas and Functions, Charts, Cell referencing, Page setup, Macros, Advance features of MS-Excel-Pivot table & Pivot Chart, Linking and Consolidation, Database Management using Excel-Sorting, Filtering, Validation, What if analysis with Goal Seek, Conditional formatting.
October	Presentation using MS-PowerPoint: Presentations, Creating, Manipulating & Enhancing Slides, Organizational Charts, Excel Charts, Word Art, Layering art Objects, Animations and Sounds, Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Bhanwar

Paper with Code: BCA-103: MATHEMATICS

Class: BCA 1st

Session: 2019-2020

Month	Name of the Topic
July	SETS: Sets, Subsets, Equal Sets Universal Sets, Finite and Infinite Sets, Operation on Sets, Union, Intersection and Complements of Sets, Cartesian Product, Cardinality of Set, Simple Applications. DETERMINANTS: Definition, Minors, Cofactors, Properties of Determinants, Applications of determinants in finding area of triangle, Solving a system of linear equations. MATRICES: Definition, Types of Matrices, Addition, Subtraction, Scalar Multiplication and Multiplication of Matrices, Adjoint, Inverse, solving system of linear equation Cramer's Rule.
August	RELATIONS AND FUNCTIONS: Properties of Relations, Equivalence Relation, Partial Order Relation Function: Domain and Range, Onto, Into and One to One Functions, Composite and Inverse Functions. LIMITS & CONTINUITY: Limit at a Point, Properties of Limit, Computation of Limits of Various Types of Functions, Continuity of a function at a Point, Continuity Over an Interval, Sum, product and quotient of continuous functions, Intermediate Value Theorem, Type of Discontinuities
September	DIFFERENTIATION: Derivative of a function, Derivatives of Sum, Differences, Product & Quotient of functions, Derivatives of polynomial, trigonometric, exponential, logarithmic, inverse trigonometric and implicit functions, Logarithmic Differentiation, Chain Rule and differentiation by substitution.
October	INTEGRATION: Indefinite Integrals, Methods of Integration by Substitution, By Parts, Partial Fractions, Integration of Algebraic and Transcendental Functions, Reduction Formulae for simple and Trigonometric Functions, Definite Integral as Limit of Sum, Fundamental Theorem of Integral Calculus, Evaluation of definite integrals by substitution, using properties of definite integral
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Nandini

Paper with Code : BCA-104 : LOGICAL ORGANIZATION OF COMPUTER-I

Class: BCA 1st

Session:2019-2020

Month	Name of the Topic
July	Information Representation: Number Systems, Binary Arithmetic, Fixed-point and Floatingpoint representation of numbers, BCD Codes, Error detecting and correcting codes, Character Representation – ASCII, EBCDIC, Unicode
August	Binary Logic: Boolean Algebra, Boolean Theorems, Boolean Functions and Truth Tables, Canonical and Standard forms of Boolean functions, Simplification of Boolean Functions – Venn Diagram, Karnaugh Maps.
September	Digital Logic: Introduction to digital signals, Basic Gates – AND, OR, NOT, Universal Gates and their implementation – NAND, NOR, Other Gates – XOR, XNOR etc. NAND, NOR, AND-OR-INVERT and OR-AND-INVERT implementations of digital circuits, Combinational Logic – Characteristics, Design Procedures, analysis procedures, Multilevel NAND and NOR circuits.
October	Combinational Circuits: Half-Adder, Full-Adder, Half-Subtractor, Full-Subtractor, Parallel binary adder/subtractor, Encoders, Decoders, Multiplexers, Demultiplexers, Comparators, Code Converters, BCD to Seven-Segment Decoder
November	Revision
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Pankaj

Paper with Code : BCA-106 : 'C' PROGRAMMING

Class: BCA 1st

Session 2019-2020

Month	Name of the Topic
January	Overview of C: History of C, Importance of C, Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant, Structure of a C Program, printf(), scanf() Functions, Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, shorthand assignment operators, conditional operators and increment and decrement operators, Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity.
February	Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement. Decision making & looping: For, while, and do-while loop, jumps in loops, break, continue statement, Nested loops
March	Functions: Standard Mathematical functions, Input/output: Unformatted & formatted I/O function in C, Input functions viz. getch(), getche(), getchar(), gets(), output functions viz., putchar(), puts(), string manipulation functions. User defined functions: Introduction/Definition, prototype, Local and global variables, passing parameters, recursion.
April	Arrays, strings and pointers: Definition, types, initialization, processing an array, passing arrays to functions, Array of Strings. String constant and variables, Declaration and initialization of string, Input/output of string data, Introduction to pointers. Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime. Algorithm development, Flowcharting and Development of efficient program in C.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Nandini

Paper with Code : BCA-107: LOGICAL ORGANIZATION OF COMPUTER-II

Class: BCA 1st

Session:2019-2020

Month	Name of the Topic
January	Sequential Logic: Characteristics, Flip-Flops, Clocked RS, D type, JK, T type and MasterSlave flip-flops. State table, state diagram and state equations. Flip-flop excitation table.
February	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel Output (SIPO), Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO) and shift registers. Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N Counters and Up-Down Counters
March	Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM, Magnetic and Optical Storage devices, Flash memory, I/O Devices and their controllers.
April	Instruction Design & I/O Organization: Machine instruction, Instruction set selection, Instruction cycle, Instruction Format and Addressing Modes. I/O Interface, Interrupt structure, Program-controlled, Interrupt-controlled & DMA transfer, I/O Channels, IOP
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Suman

Paper with Code : BCA-108 : MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE

Class: BCA 1st

Session 2019-2020

Month	Name of the Topic
January	Basic Statistics: Measure of Central Tendency, Preparing frequency distribution table, Mean, Mode, Median, Measure of Dispersion: Range, Variance and Standard Deviations, Correlation and Regression
February	Algorithm: Algorithms, merits and demerits, Exponentiation, How to compute fast exponentiation. Linear Search, Binary Search, "Big Oh" notation, Worst case, Advantage of logarithmic algorithms over linear algorithms, complexity. Graph Theory: Graphs, Types of graphs, degree of vertex, sub graph, isomorphic and homeomorphic graphs, Adjacent and incidence matrices, Path Circuit ; Eulerian, Hamiltonian path circuit.
March	Tree: Trees, Minimum distance trees, Minimum weight and Minimum distance spanning trees. Recursion: Recursively defined function. Merge sort, Insertion sort, Bubble sort, and Decimal to Binary.
April	Recurrence Relations: LHRR, LHRRWCCs, DCRR. Recursive procedures. Number Theory: Principle of Mathematical induction, GCD, Euclidean algorithm, Fibonacci numbers, congruences and equivalence relations, public key encryption schemes
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mrs. Manisha

Paper with Code: BCA-201: INTRODUCTION TO OPERATING SYSTEM

Class: BCA 2nd

Session:2019-2020

Month	Name of the Topic
July	Fundamentals of Operating system: Introduction to Operating System, its need and operating System services, Early systems, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems.
August	Process Management: Process concept, Operation on processes, Cooperating Processes, Threads, and Inter-process Communication. CPU Scheduling: Basic concepts, Scheduling criteria, Scheduling algorithms : FCFS, SJF, Round Robin & Queue Algorithms.
September	Deadlocks: Deadlock characterization, Methods for handling deadlocks, Banker's Algorithm. Memory Management: Logical versus Physical address space, Swapping, Contiguous allocation, Paging, Segmentation. Virtual Memory: Demand paging, Performance of demand paging, Page replacement, Page replacement algorithms, Thrashing
October	File management: File system Structure, Allocation methods: Contiguous allocation, Linked allocation, Indexed allocation, Free space management: Bit vector, Linked list, Grouping, Counting. Device Management: Disk structure, Disk scheduling: FCFS, SSTF, SCAN, C-SCAN, LOOK, C-LOOK.
November	Revision
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Pankaj

Paper with Code: BCA-202: DATA STRUCTURE-I

Class: BCA 2nd

Session 2019-2020

Month	Name of the Topic
July	Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures, Algorithms complexity and time-space tradeoff, Big-O notation. Strings: Introduction, Storing strings, String operations, Pattern matching algorithms.
August	Arrays: Introduction, Linear arrays, Representation of linear array in memory, address calculations, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse arrays. Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Threaded lists, Garbage collection, Applications of linked lists.
September	Stack: Introduction, Array and linked representation of stacks, Operations on stacks, Applications of stacks: Polish notation, Recursion. Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
October	Tree: Introduction, Definition, Representing Binary tree in memory, traversing binary trees, Traversal algorithms using stacks. Graph: Introduction, Graph theory terminology, Sequential and linked representation of graphs.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mrs. Nandini

Paper with Code: BCA-203: INTRODUCTION TO DATABASE SYSTEM

Class: BCA 2nd

Session: 2019-2020

Month	Name of the Topic
July	Basic Concepts – Data, Information, Records and files. Traditional file –based Systems-File Based Approach-Limitations of File Based Approach, Database Approach-Characteristics of Database Approach, advantages and disadvantages of database system, components of database system, Database Management System (DBMS), Components of DBMS Environment, DBMS Functions and Components, DBMS users, Advantages and Disadvantages of DBMS, DBMS languages. Roles in the Database Environment - Data and Database Administrator, Database Designers, Applications Developers and Users.
August	Database System Architecture – Three Levels of Architecture, External, Conceptual and Internal Levels, Schemas, Mappings and Instances. Data Independence – Logical and Physical Data Independence . Classification of Database Management System, Centralized and Client Server architecture to DBMS. Data Models: Records- based Data Models, Object-based Data Models, Physical Data Models and Conceptual Modeling.
September	Entity-Relationship Model – Entity Types, Entity Sets, Attributes Relationship Types, Relationship Instances and ER Diagrams, abstraction and integration. Basic Concepts of Hierarchical and Network Data Model, Relational Data Model:-Brief History, Relational Model Terminology-Relational Data Structure, Database Relations, Properties of Relations, Keys, Domains, Integrity Constraints over Relations.
October	Relational algebra, Relational calculus, Relational database design: Functional dependencies, Modification anomalies, 1st to 3rd NFs, BCNF, 4th and 5th NFs, computing closures of set FDs, SQL: Data types, Basic Queries in SQL, Insert, Delete and Update Statements, Views, Query processing: General strategies of query processing, query optimization, query processor, concept of security, concurrency and recovery.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code **BCA-204**

BCA 2nd

SEMESTER- IIIrd

Month	Name of Topic
July	Introduction to Basics of Communication: Communication and its various definition, features/characteristics of the communication, process of communication, communication model and theories, barrier to effective communication.
August	Improving LSRW: introduction, verbal and nonverbal communication, listening process, group discussion, forms of oral presentation, self-presentation, dyadic communication, 5C's of communication, Developing dialogues, soft skill.
September	Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings
October	Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games.
November	Proper use of Language: The Communication Skills, The effective Speech. Effective self-presentation & facing interview: The interview process & preparing for it, The presentation skills.
December	Revision of Full Syllabus. Taking Class Test & Power Point Presentation.
Examination	

Dr. Promila Dahiya Suhag
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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Anjali

Paper with Code: BCA-206: 'WEB DESIGNING'

Class: BCA 2nd

Session 2019-2020

Month	Name of the Topic
January	Introduction to Internet and World Wide Web; Evolution and History of World Wide Web; Basic features; Web Browsers; Web Servers; Hypertext Transfer Protocol, Overview of TCP/IP and its services; URLs; Searching and Web-Casting Techniques; Search Engines and Search Tools.
February	Web Publishing: Hosting your Site; Internet Service Provider; Web terminologies, Phases of Planning and designing your Web Site; Steps for developing your Site; Choosing the contents; Home Page; Domain Names, Front page views, Adding pictures, Links, Backgrounds, Relating Front Page to DHTML. Creating a Website and the Markup Languages (HTML, DHTML)
March	Web Development: Introduction to HTML; Hypertext and HTML; HTML Document Features; HTML command Tags; Creating Links; Headers; Text styles; Text Structuring; Text colors and Background; Formatting text; Page layouts
April	Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts; Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes; DHTML: Dynamic HTML, Features of DHTML, CSSP(cascading style sheet positioning) and JSSS(JavaScript assisted style sheet), Layers of netscape, The ID attributes, DHTML events.
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Pankaj

Paper with Code: BCA-207: DATA STRUCTURE-II

Class: BCA 2nd

Session:2019-2020

Month	Name of the Topic
January	Tree: Header nodes, Threads, Binary search trees, Searching, Insertion and deletion in a Binary search tree, AVL search trees, Insertion and deletion in AVL search tree, m-way search tree, Searching, Insertion and deletion in an m-way search tree, B-trees, Searching, Insertion and deletion in a B-tree, B+tree, Huffman's algorithm, General trees.
February	Graphs: Warshall's algorithm for shortest path, Dijkstra algorithm for shortest path, Operations on graphs, Traversal of graph, Topological sorting. Sorting: Internal & external sorting, Radix sort, Quick sort, Heap sort, Merge sort, Tournament sort, Searching: Linear search, binary search, merging, Comparison of various sorting and searching algorithms on the basis of their complexity.
March	Files: Physical storage devices and their characteristics, Attributes of a file viz fields, records, Fixed and variable length records, Primary and secondary keys, Classification of files, File operations, Comparison of various types of files.
April	File organization: Serial, Sequential, Indexed-sequential, Random-access/Direct, Inverted, Multilist file organization. Hashing: Introduction, Hashing functions and Collision resolution methods .
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Manoj

Paper with Code: BCA-208: OBJECT ORIENTED PROGRAMMING USING C++

Class: BCA 2nd

Session 2019-2020

Month	Name of the Topic
January	Object Oriented Programming Concepts : Procedural Language and Object Oriented approach, Characteristics of OOP, user defined types, polymorphism and encapsulation. Getting started with C++: syntax, data types, variables, string, function, namespace and exception, operators, flow control, recursion, array and pointer, structure
February	Abstracting Mechanism: classes, private and public, Constructor and Destructor , member function, static members, references; Memory Management: new, delete, object copying, copy constructor, assignment operator, this input/output
March	Inheritance and Polymorphism: Derived Class and Base Class, Different types of Inheritance, Overriding member function, Abstract Class, Public and Private Inheritance, Ambiguity in Multiple inheritance , Virtual function, Friend function, Static function.
April	Exception Handling: Exception and derived class, function exception declaration, unexpected exception, exception when handling exception, resource capture and release. Template and Standard Template Library: Template classes, declaration, template functions, namespace, string, iterators, hashes, iostreams and other types.
May	Revision
June	Exams


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Manisha

Paper with Code: BCA-209: SOFTWARE ENGINEERING

Class: BCA 2nd

Session 2019-2020

Month	Name of the Topic
January	Introduction: Software Crisis, Software Processes & Characteristics, Software life cycle models, Waterfall, Prototype, Evolutionary and Spiral Models. Software Requirements Analysis & Specifications: Requirement engineering, requirement elicitation techniques like FAST, QFD, requirements analysis using DFD, Data dictionaries & ER Diagrams, Requirements documentation, Nature of SRS, Characteristics & organization of SRS.
February	Software Project Management Concepts: The Management spectrum, The People The Problem, The Process, The Project. Software Project Planning: Size Estimation like lines of Code & Function Count, Cost Estimation Models, COCOMO, Risk Management.
March	Software Design: Cohesion & Coupling, Classification of Cohesiveness & Coupling, Function Oriented Design, Object Oriented Design, Software Metrics: Software measurements: What & Why, Token Count, Halstead Software Science Measures, Design Metrics, Data Structure Metrics Software Implementation: Relationship between design and implementation, Implementation issues and programming support environment, Coding the procedural design, Good coding style.
April	Software Testing: Testing Process, Design of Test Cases, Types of Testing, Functional Testing, Structural Testing, Test Activities, Unit Testing, Integration Testing and System Testing, Debugging Activities. Software Maintenance: Management of Maintenance, Maintenance Process, Reverse Engineering, Software Re-engineering, Configuration Management, Documentation
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Anjali

Paper with Code: BCA-301: MANAGEMENT INFORMATION SYSTEM

Class: BCA 3rd

Session:2019-2020

Month	Name of the Topic
July	Introduction to system and Basic System Concepts, Types of Systems, The Systems Approach, Information System: Definition & Characteristics, Types of information, Role of Information in Decision-Making, Sub-Systems of an Information system: EDP and MIS management levels, EDP/MIS/DSS.
August	An overview of Management Information System: Definition & Characteristics, Components of MIS, Frame Work for Understanding MIS: Information requirements & Levels of Management, Simon's Model of decision-Making, Structured Vs Un-structured decisions, Formal vs. Informal systems
September	Developing Information Systems: Analysis & Design of Information Systems: Implementation & Evaluation, Pitfalls in MIS Development.
October	Functional MIS: A Study of Personnel, Financial and production MIS, Introduction to e- business systems, ecommerce – technologies, applications, Decision support systems Support systems for planning, control and decision-making
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Manoj

Paper with Code: BCA-302: COMPUTER GRAPHICS

Class: BCA 3rd

Session 2019-2020

Month	Name of the Topic
July	<p>Graphics Primitives: Introduction to computer graphics, Basics of Graphics systems, Application areas of Computer Graphics, overview of graphics systems, video-display devices, and raster-scan systems, random scan systems, graphics monitors and workstations and input devices.</p> <p>Output Primitives: Points and lines, line drawing algorithms, mid-point circle and ellipse algorithms. Filled area primitives: Scan line polygon fill algorithm, boundary fill and flood- fill algorithms.</p>
August	<p>2-D Geometrical Transforms: Translation, scaling, rotation, reflection and shear transformations, matrix representations and homogeneous coordinates, composite transforms, transformations between coordinate systems.</p> <p>2-D Viewing: The viewing pipeline, viewing coordinate reference frame, window to view- port coordinate transformation, viewing functions, Cohen-Sutherland and Cyrus-beck line clipping algorithms, Sutherland -Hodgeman polygon clipping algorithm.</p>
September	<p>3-D Object Representation: Polygon surfaces, quadric surfaces, spline representation, Hermite curve, Bezier curve and B-Spline curves, Bezier and B-Spline surfaces. Basic illumination models, polygon-rendering methods.</p>
October	<p>3-D Geometric Transformations: Translation, rotation, scaling, reflection and shear transformations, composite transformations.</p> <p>3-D Viewing: Viewing pipeline, viewing coordinates, view volume and general projection transforms and clipping.</p>
November	Revision
December	Exams

VANSHI COLLEGE, BHUWANI

LESSON PLAN PERFORMA

Subject: Computer Networks

Topic: Introduction to Computer Communication and Networking Technologies

Date: 20/08/2024

Month	Name of the Topic
July	Introduction to Computer Communication and Networking Technologies: Evolution of Computer Networks, Network Design Method and Model, Types of Computer Networks and their Characteristics, Network Design, Routing and Protocol, Computer Systems and Communication Networks, Network Applications and Applications, Computer Communication and Networking Models: Decentralized and Distributed Systems, Distributed Systems, Open System Architecture, Peer-to-Peer Networks, Web-Based Networks, Network Architecture and the OSI Reference Model, IP Addressing, IPv4, IPv6, Network Topology, LAN, WAN, VPN.
August	Analog and Digital Communication Concepts: Concept of Data, Signal, Channel, Bandwidth, maximum distance of channel, Representing Data as Analog Signals, Representing Data as Digital Signals, Data Rate and Bandwidth Capacity, Bandwidth, Asynchronous and Synchronous transmission, data encoding techniques, Modulation techniques, Digital Carrier Systems, Corded and Wireless Communication Media, Communication Satellites, Switching and Multiplexing, Packet Networking, Analog Modem Concepts, DSL Service.
September	Data Link Layer: Framing, Flow Control, Error Control, Error Detection and Correction, Sliding Window Protocols, Media Access Control, Random Access Protocols, Token Passing Protocols, Token Ring, Introduction to LAN technologies: Ethernet, switched Ethernet, VLAN, Fast Ethernet, gigabit Ethernet, token ring, FDDI, Wireless LANs, Bluetooth, Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways.
October	Network Layer and Routing Concepts: Virtual Circuits and Datagram; Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing, Link State Routing, Hierarchical Routing; Congestion Control Algorithms; Internetworking, Network Security Issues: Security threats; Encryption Methods; Authentication, Symmetric - Key Algorithms; Public-Key Algorithms.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Anjali

Paper with Code : BCA-304 : VISUAL BASIC

Class: BCA 3rd

Session:2019-2020

Month	Name of the Topic
July	Introduction to VB: Visual & non-visual programming, Procedural, Object-oriented and event driven programming languages, The VB environment: Menu bar, Toolbar, Project explorer, Toolbox, Properties window, Form designer, Form layout, Immediate window. Visual Development and Event Driven programming.
August	Basics of Programming: Variables: Declaring variables, Types of variables, converting variables types, User-defined data types, Forcing variable declaration, Scope & lifetime of variables. Constants: Named & intrinsic. Operators: Arithmetic, Relational & Logical operators. I/O in VB: Various controls for I/O in VB, Message box, Input Box, Print statement.
September	Programming with VB: Decisions and conditions: If statement, If-then-else, Select-case. Looping statements: Do-loops, For-next, While-wend, Exit statement. Nested control structures. Arrays: Declaring and using arrays, one-dimensional and multi-dimensional arrays, Static & dynamic arrays, Arrays of array. Collections: Adding, Removing, Counting, returning items in a collection, Processing a collection.
October	Programming with VB: Procedures: General & event procedures, Subroutines, Functions, calling procedures, Arguments- passing mechanisms, Optional arguments, Named arguments, Functions returning custom data types, Functions returning arrays. Working with forms and menus: Adding multiple forms in VB, Hiding & showing forms, Load & unload statements, creating menu, submenu, popup menus, Activate & deactivate events, Form-load event, menu designing in VB Simple programs in VB.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Ms. Manisha

Paper with Code: BCA-306: E-COMMERCE

Class: BCA 3rd

Session 2019-2020

Month	Name of the Topic
January	Electronic Commerce: Overview of Electronic Commerce, Scope of Electronic Commerce, Traditional Commerce vs. Electronic Commerce, Impact of E-Commerce, Electronic Markets, Internet Commerce, e-commerce in perspective, Application of E Commerce in Direct Marketing and Selling, Obstacles in adopting E-Commerce Applications; Future of E-Commerce.
February	Value Chains in electronic Commerce, Supply chain, Porter's value chain Model, Inter Organizational value chains, Strategic Business unit chains, Industry value chains. Security Threats to E-commerce: Security Overview, Computer Security Classification, Copyright and Intellectual Property, security Policy and Integrated Security, Intellectual Property Threats, electronic Commerce Threats, Clients Threats, Communication Channel Threats, server Threats
March	Implementing security for E-Commerce: Protecting E-Commerce Assets, Protecting Intellectual Property, Protecting Client Computers, Protecting E-commerce Channels, Insuring Transaction Integrity, Protecting the Commerce Server. Electronic Payment System: Electronic Cash, Electronic Wallets, Smart Card, Credit and Change Card.
April	Business to Business E-Commerce: Inter-organizational Transitions, Credit Transaction Trade Cycle, a variety of transactions. Electronic Data Interchange (EDI): Introduction to EDI, Benefits of EDI, EDI Technology, EDI standards, EDI Communication, EDI Implementation, EDI agreement, EDI security.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Manoj

Paper with Code: BCA-307: OBJECT TECHNOLOGIES & PROGRAMMING USING JAVA

Class: BCA 3rd

Session:2019-2020

Month	Name of the Topic
January	Object Oriented Methodology-1: Paradigms of Programming Languages, Evolution of OO Methodology, Basic Concepts of OO Approach, Comparison of Object Oriented and Procedure Oriented Approaches, Benefits of OOPs, Introduction to Common OO Language, Applications of OOPs .Object Oriented Methodology-2: Classes and Objects, Abstraction and Encapsulation, Inheritance, Method Overriding and Polymorphism.
February	Java Language Basics: Introduction To Java, Basic Features, Java Virtual Machine Concepts, Primitive Data Type And Variables, Java Operators, Expressions, Statements and Arrays. Object Oriented Concepts: Class and Objects-- Class Fundamentals, Creating objects , Assigning object reference variables; Introducing Methods, Static methods, Constructors , Overloading constructors; This Keyword; Using Objects as Parameters, Argument passing, Returning objects , Method overloading, Garbage Collection, The Finalize () Method. Inheritance and Polymorphism: Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword.
March	Packages: Defining Package, CLASSPATH, Package naming, Accessibility of Packages , using Package Members. Interfaces: Implementing Interfaces, Interface and Abstract Classes, Extends and Implements together. Exceptions Handling: Exception, Handling of Exception, Using try-catch, Catching Multiple Exceptions , Using finally clause , Types of Exceptions, Throwing Exceptions, Writing Exception Subclasses.
April	Multithreading Introduction , The Main Thread, Java Thread Model, Thread Priorities, Synchronization in Java, Inter thread Communication. I/O in Java , I/O Basics, Streams and Stream Classes ,The Predefined Streams, Reading from, and Writing to, Console, Reading and Writing Files , The Transient and Volatile Modifiers , Using Instance of Native Methods. Strings and Characters: Fundamentals of Characters and Strings, The String Class , String Operations , Data Conversion using Value Of () Methods , String Buffer Class and Methods.
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Anjali

Paper with Code : BCA-308 : ARTIFICIAL INTELLIGENCE

Class: BCA 3rd

Session 2019-2020

Month	Name of the Topic
January	<p>Overview of A.I: Introduction to AI, Importance of AI, AI and its related field, AI techniques, Criteria for success.</p> <p>Problems, problem space and search: Defining the problem as a state space search, Production system and its characteristics, Issues in the design of the search problem</p>
February	<p>Heuristic search techniques : Generate and test, hill climbing, best first search technique, problem reduction, constraint satisfaction</p> <p>Knowledge Representation: Definition and importance of knowledge, Knowledge representation, Various approaches used in knowledge representation, Issues in knowledge representation.</p>
March	<p>Using Predicate Logic : Representing Simple Facts in logic, Representing instances and is_a relationship, Computable function and predicate.</p> <p>Natural language processing : Introduction syntactic processing, Semantic processing, Discourse and pragmatic processing.</p>
April	<p>Learning: Introduction learning, Rote learning, Learning by taking advice, Learning in problem solving, Learning from example-induction, Explanation based learning.</p> <p>Expert System: Introduction, Representing using domain specific knowledge, Expert system shells.</p>
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Nandini

Paper with Code : BCA-309 : INTRODUCTION TO .NET

Class: BCA 3rd

Session 2019-2020

Month	Name of the Topic
January	The Framework of .Net: Building blocks of .Net Platform (the CLR, CTS and CLS). Features of .Net, Deploying the .Net Runtime, Architecture of .Net platform, Introduction to namespaces & type distinction. Types & Object in .Net, the evolution of Web development.
February	Class Libraries in .Net, Introduction to Assemblies & Manifest in .Net, Metadata & attributes. Introduction to C#: Characteristics of C#, Data types: Value types, reference types, default value, constants, variables, scope of variables, boxing and unboxing.
March	Operators and expressions: Arithmetic, relational, logical, bitwise, special operators, evolution of expressions, operator precedence & associativity, Control constructs in C#: Decision making, loops, Classes & methods: Class, methods, constructors, destructors, overloading of operators & functions
April	Inheritance & polymorphism: visibility control, overriding, abstract class & methods, sealed classes & methods, interfaces. Advanced features of C#: Exception handling & error handling, automatic memory management, Input and output (Directories, Files, and streams).
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Neha

Paper with Code 19MC-101 Management Process and Organisational Behaviour
Class M.Com 1st Sem. Session -2019-20

Month	Name of Topic
July	Unit-I Introduction to Management: Meaning, Nature and Scope of Management Evolution of Management thoughts Functions of Management: Planning, Organising, Staffing, Directing, Controlling Decision-Making Process and its Implementation, Rationality in Decision-Making Managerial Ethics, Social Responsibility (One Case Study)
August	Unit-II Organisational Behaviour: Evolution, Importance and Relationship with other fields; Contemporary challenges of OB Theories of Organizational Behaviour: McGregor's Theory X and Theory Y, Mayo's Social Man, Schein's Rational and Complex Man and Theory Z Attitude: Formation and Changing of Attitudes Learning: Concept, Nature and Theories of Learning Perception: Role of Person-Perception and Attribution; Managerial Implications of Perception (One Case Study)
September	Unit-III Personality: Nature and Theories (traits and types) of Personality, Managerial Implications of Type A and Type B Personality; Role of Socialization in the process of development of Personality Motivation: Concept and Theories of Motivation (Maslow's Hierarchy of Needs, Herzberg's Two factor theory, Vroom's expectancy model, and Contemporary theories of Motivation), Role of Reinforcement Theory of Motivation in Behaviour Modification Leadership: Nature, Functions and Leadership Styles; Yetton and Jago's Normative Decision Model

	<p>of Leadership Organizational Conflict: Process, Types and Sources of Conflict; Models of Managing Conflicts Stress Management: Introduction to Stress and Stressors; Coping Strategies and Stress Management Techniques (One Case Study)</p>
October	<p>Unit-IV Managing Group Processes: Types, Group formation, Group Dynamics, Group cohesiveness; Group vs Individual Performance Transactional analysis: Applications of Emotional Intelligence in Organisation Organisational Climate; Organisational Culture</p>
November	<p>Organisational Change: Nature, Resistance to Change, Implementing Change Organisational Development: Concept, Models and Interventions (One Case Study)</p> <p>Revision</p>

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Satbir Singh

Paper with Code 19MC-102 Financial Accounting Class M Com 1st Sem.
Session 2019-20

Month	Name of Topic
July	Financial Accounting- Nature, Scope and Significance Utility. Limitations and Essentials for success, Basic Accounting Concepts. Conventions and Principles, Financial Accounting vs Cost Accounting vs Management Accounting, Accounting standards: meaning, significance preparations of Accounting standards in India
August	Financial Statements- Forms, Nature, Uses, Limitations and Financial Statements Analysis and Interpretation- types and tools Comparative, Common size and Trend Percentages Accounting Ratios- Nature, Classification Significance and Analysis and Interpretation- Profitability, Turnover, Liquidity and Solvency Ratios
September	Cash Flow Statement- Concept, Cash Flow Statement- Objectives Cash Flow Statement- Sources, Cash Flow Statement- Application Preparation of Cash Flow Statement as per AS-3
October	Emerging Accounting Practices: Inflation Accounting Human Resource Accounting, Value added Accounting
November	Responsibility Accounting, Transfer Pricing- Concept and Methods, Social and Environmental Accounting Revision

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Monika Mittal

Paper with Code 19MC-103 Business Economics Class M Com 1st Sem.
Session 2019-20

Month	Name of Topic
July	Definition, Nature, Scope and Applications of Business Economics, Functions, Role and Responsibilities of a Economist, Objectives of Business Firms, Profit Maximization as Business Objectives, Profit vs Wealth Maximization Objective
August	Meaning of Demand and Market Demand, Analysis of Market Demand, Types of Demand, Determinants of Demand, Law of Demand, Elasticity of Demand, Indifference Curve Analysis
September	Introduction, Concept of Production Function, Laws of Production, The Law of Diminishing Marginal Return, Law of Variable Proportions, Law of Return to Scale, Production Function Through Iso-quant Curve
October	Introduction of Market Structure, Price Determination under Perfect Competition, Price Determination under
November	Monopolistic Competition, Price Determination under Monopoly, Price Determination under Oligopoly, Pricing Strategies Revision

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code 19MC-104 Business Environment

Class M Com 1st Sem

Session 2019-20

Month	Name of Topic
July	Business Environment- concept, nature and elements of business environment, Environmental Scanning and forecasting - nature, relevance and techniques of environmental scanning, Economic Reforms in India, Industrial Sickness- Causes and Remedies, MSME- concept, importance and issues
August	State Intervention in Business- Level of Intervention under capitalist economy, need for state intervention and role of state in Economy, Government Policies- Monetary Policy, Fiscal Policy, Industrial Policy- A brief review since independence, Industrial Licensing Policy, EXIM Policy
September	Consumer Protection Act, 1986 Environment Protection Act, 1986 Right to Information Act, 2005 Foreign Exchange Management Act, 1999
October	International Business- Concept, types, advantage and disadvantage; Foreign investment: Types, significance and limitation, IMF, WTO,
November	World Bank, Regional Economic Groupings- BRICS, SAARC, SAFTA, G-20 Revision

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - **Mr. Ritesh Paper with Code** 19MC-105 IT
 Fundamentals Class - M Com 1st Sem. **Session-2019-20**

Month	Name of Topic
August	Concepts of Data and Information, Characteristics of Information, IT Cultures, Human Computer Interaction, Introduction to Information Systems and Systems thinking approach, Categories of Information Systems, Operations Support vs Managerial Support Systems, Characteristics and Comparisons of different categories of Information Systems (TPS, MIS, DSS,EIS), Functional Business Processes and Information Systems, Business Process Reengineering with Information Systems
September	Information Systems Impact on Organizations and Business Firms, Information Systems and Organizational Strategy, Concept of Value Chain and Value Web, Economic Impacts, Behavioural and Social Impacts, Implications for the Design of Information Systems, Gaining Competitive Advantage using IT, Illustration using Porters Five Forces Model, Role of Internet in Improving Strategies and Core, Competencies, Traditional Economies vs Networked Economies Ethical and Social Issues related to Information Systems, Professional Code of Conduct, European Directive on Data Protection, Internet and Privacy, Role of Cookies
October	Cross Functional Systems and Enterprise Application Architecture Enterprise Systems, ERP and related implementation issues SCM and CRM (Concepts, Applications and Implementation Issues), Decision Making and Information Systems - DSS and Its Components, Expert Systems and Group Decision Support Systems
November	E-Business and E-Commerce, E-Commerce Business Models and Revenue Models, Advantages and Limitations, M-Commerce and E-Governance, M-Commerce, Services and Applications 399, Designing an e-Commerce Site, Digital Society and Global Market place, Internet of Thing, Web 2.0: Social Networking and the Wisdom of Crowds

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor -Ms. Rinku

Paper with Code 19MC-106 Business Communication Class-M Com 1st Sem.

Sessio-2019-20

Month	Name of Topic
	Unit-I Basics of Business Communication: Introduction, Significance, Principles of Effective Communication, Types of communication in Organization (Vertical, Horizontal, Formal, Informal/Grapevine) and their suitability with advantages and disadvantages, Barriers to Communication: Barriers, their types, Overcoming Barriers to Communication The Importance of Listening in the Workplace: Introduction, Barriers to Listening, Strategies for Effective Listening, Listening in a Business Context Assertiveness: Meaning, Skills, Techniques, Personality Types, Benefits of being assertive, Types of Assertiveness: Passive, Assertive and Aggressive
August	Unit-2 Non-Verbal Communication: Body Language, Functions and Importance, Types, Dress Codes, Paralanguage, Voice Modulations: tone, volume, pitch and pace, Presentation Skills and Public Speaking: Introduction, Preparing Successful Management Speech and Presentation, Audience Analysis, Managing Stage Fright and Anxiety Group communication: Introduction, Pre-requisites, Meetings, Group Discussions, Benefits, Assessment, Etiquette Videoconferencing: Use of audio-visual media, Using technology To improve business communications Business Etiquette: Dining Etiquette, Office Etiquette, Email Etiquette, Phone Call Etiquette, Meeting Etiquette: Exchanging Business Cards, Shaking Hands and others
September	Unit 3 Managerial Writing: Introduction, Internal Business Communication: Writing Circulars and Notices. External Business Communication: Writing Business Letters: Introduction, Principles of Business Letter Writing, Types of Business Letters, Format for Business Letters Other External Business Communication:

	Introduction Communication with Media through News Releases, Social Media in Business, Communication about the Organization through Advertising Writing Business Reports: Introduction, What is a Report, Types of Business Reports, Format for Business Reports, Steps in Report Preparation. Job application letters: Resume, Covering Letter Interview Letters.
October	<p>Unit 4</p> <p>Understanding the job interviewing process: Preparing for an interview, Types of interviews: Selection or Placement interviews, Appraisal interviews, Exit interviews</p> <p>Preparing for the Interview, Dressing Up, on the Day of Interview, on the Interview Table and Dress Code At Interview, Interview Mistakes</p>
November	<p>Networking, How to Present Well in Interview, Typical Questions Asked</p> <p>Power Dressing: Introduction and Importance Cross Cultural Business Communication: Cultural differences in international business</p> <p>Ethics in Business Communication, Communicating with difficult people</p> <p>Revision</p>

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code_ 18EEM-100

M.Com 1st

SEMESTER- 1st

Month	Name of Topic
July	Environment & Pollution : Causes, Risk factors, prevention strategies
August	Environment & Pollution : Causes, Risk factors, prevention strategies
September	Renewal and No Renewal and alternate sources of energy
October	Revision, Assignments and Class Test
November	Manangement of environment and energy
December	Revision, Assignments and Class Test
Examination	

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mrs. Rinku

Paper with Code 19MC-201 Quantitative Techniques for Business Decision Class
M. Com 2nd Sem. Session _2019-20

Month	Name of Topic
January	Unit-I An Introduction to Decision Making and Quantitative Techniques, Process of Decision Making, Models and Modelling in OR, Introduction to Mean, Mode, Median, S.D. (Basic) Role, Functions, Scope and Limitations of Quantitative Techniques in Business and Industry Correlation Analysis: Simple and Partial Correlation Correlation Analysis: Multiple Correlation Regression Analysis: Simple, Partial and Multiple Regression
February	Unit-II Statistical Inference: Theory of Testing of Hypothesis; Statistic and Parameter; Statistical Hypothesis; Tests of Significance, Types of Errors in Testing of Hypothesis Level of Significance; Confidence Limits, One Tailed and Two Tailed Tests Standard Error and its Utility, Degrees of Freedom, Critical Value, Acceptance and Rejection Regions. Procedure for Hypothesis Testing, Sampling tests - Large and small Sample tests - Z-Test, T-Test.
March	Unit-III An introduction to Non Parametric Test, Assumptions Techniques of Analysis of Variance, One way classification Two way classification Sign test for Paired Observations, Wilcoxon Signed Rank Test Wald-Wolfo-Witz Test, Kruskal Wallis-Test The Mann-Whitney-U-Test

April	Unit-IV Association of Attributes: Criterion of Independence, Consistency of data X ² -Test: Conditions for apply x ² - Test Yate's correction Uses of X ² Test, Additive Property of X ² . Misuse of Chi-Square Test and its limitations.
May	Revision Test

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Dr. Satbir Singh**

Paper with Code 19MC-202 Accounting for Managerial Decisions Class M

Com 2nd Sem. Session _2019-20

Month	Name of Topic
January	Unit-I Management Accounting- Nature and Scope Management Accounting- Significance, Utility, Limitations and Essentials for success Financial Accounting vs Cost Accounting vs Management Accounting Management Accountant: Position and Role Management Accountant: Essential Qualities and Responsibilities
February	Unit-II Contemporary issues in Management Accounting- Value Chain Analysis, Activity Based Accounting Balanced Scorecard- Elements, Advantages and Disadvantages Profit (CVP) Analysis: Contribution Margin Break-Even Analysis Profit Volume (P/V) Analysis
March	Unit-III Standard Costing: Concept, Advantages; Types of Standards Variance Analysis: Materials Variance Analysis: Labour Variance Analysis: Overhead; Managerial Uses of Variances. Transfer Pricing- Concept and Methods
April	Unit-IV Responsibility Accounting- Concept, Objectives, Types of Responsibility Centers, and Pre-requisites Practical Problems related to Responsibility Accounting Ethics in Management Accounting Quality Costing and Total Quality Management- Life Cycle Costing and Learning Curve Model Reporting to Management- Steps for Effective Reporting, Requisites of Ideal Reports, Types of Reports, and Uses

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Neha

Paper with Code 19MC-203 Financial Management Class M Com 2nd Sem. Session 2019-20

Month	Name of Topic
January	Unit-I Financial Management- Nature, Scope, Objectives of Financial Management Interface between Finance and Other Business Functions Sources of Finance- on the basis of period, ownership and sources of generation Financial Planning- Objectives, Scope, and Steps in Financial Planning, Capitalization- Over & Under: Causes and Remedies Time Value of Money- Practical Applications of Compounding and Present Value Techniques
February	Unit-II Capital Budgeting- Nature, Process & Importance Capital Budgeting- Techniques & applications Capital Structure Decisions- Financial, Operating & Combined Leverage Capital Structure Theories- NI, NOI, Traditional and M- M approach Capital Rationing- Types, Steps involved and various approaches to capital rationing
March	Unit-III CAPM Approach, Agency Costs Dividend Decision- Concept, Significance of Dividend, Factors affecting the dividend decision Dividend decision models- Walter's Model, Gordon's Model and Modigliani Miller Model and their relevance
April	Unit-IV Working Capital Management- concept, significance, determinants, approaches to working capital management Sources of working capital Cash Management Receivables Management Inventory Management
May	Revision Test


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor_Ms. Neha

Paper with Code 19MC-204 E-Commerce Class M Com 1st Sem. Session_2019-20

Month	Name of Topic
January	Unit-I Meaning and concept of E-Commerce, Elements of E-Commerce E-Commerce practices v/s traditional practices, Benefits and limitation of E-Commerce. Types of E-Commerce system:- B2B, B2C, C2C, C2B, B2G and G2C Service provider, e-distributor, procurement and just in time delivery. Internet and its role in E - Commerce
February	Unit-II Types of an Electronic Payment system- credit cards, Debit card, Smart Cards; Latest Payment Tools- BHIM, UPI, PAYTM, GOOGLE PAY etc E-money Electronic fund Transfer (EFT) System. Security of E-Commerce: Concept and Need of security in E-Commerce Security schemes for an electronic payment systems – Encryptions, Digital, Signature etc.
March	Unit-III Network place v/s Markets place, impact of E -Commerce on market, , online, , Marketing issues in e - marketing , direct marketing one to one marketing consumer shopping procedure on the internet Role of E - Broker, Broker Based service, Online stocks trading and concept of Demat Account E-Auction, E - Ticketing
April	Unit-IV Digital economy:-Concept, Major characteristics, economic rules, ,Impact of Digital Economy on trading and intermediaries Impact of Digital Economy on business recourses and functional areas in banking, financial and insurance organizations. State of E-commerce in India, problems and opportunities in e-commerce in India, legal issues Future of e-commerce.
May	Revision Test

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code 19MC-205 Marketing Management Class M Com 2nd Sem Session 2019-20

Month	Name of Topic
January	Unit-I Marketing- Nature, Scope and Importance Marketing Concepts and evolution, Principles of Marketing Management, Selling v/s Marketing Introduction to Marketing Mix and recent developments Marketing Environment- Macro and Micro Elements, Inter-Linkage between Marketing Environment and Marketing Decisions Strategic Planning in Contemporary Marketing
February	Unit-II Consumer Behaviour- Determinants, Buying Decision Process and Models Marketing Segmentation- Concept, Process, Basis of Segmentation Market Targeting and Positioning Product Decisions- Product Line and Product Mix, New Product Development Branding, Packaging and Labelling
March	Unit-III Pricing Decisions- Determinants, Pricing Policies and strategies Process of Price Setting, Promotion Decisions Promotion Mix- Advertising, Determining Advertising Budget, Copy Designing and its Testing Personal Selling and Sales Promotion Publicity and Public Relations
April	Unit-IV Nature, Functions, Types of Distribution Channels and Determinants Distribution Channel Intermediaries and Channel Management Decisions Marketing Research- Process, Marketing Research Online, Marketing Information System (Introduction to Digital Marketing) Marketing, Sustainability and Ethics Recent Trends in Marketing
May	Revision Test

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Mr. Ritesh**

Paper with Code 19MC-206 Computerised Accounting Systems Class **M Com 2nd Sem.**
Session 2019-20

Month	Name of Topic
January	Unit-I Computerized Accounting: - Meaning, need, Concepts of Accounting groups, Hierarchy of accounts, Codification in accounting. Accounting package - Setting up an accounting entity, Creation of groups and accounts Designing and creating vouchers. Data Entry operations using the vouchers, Processing for reports to prepare ledger accounts, trial balance and balance sheet. Identifying and appreciating the data content in accounting transactions; overview of database concepts, ER model Creating and implementing RDM for Financial Accounting; SQL to retrieve data and generate accounting information.
February	Unit-II Introduction to Tally.ERP 9 - Features and enhancement in Tally.ERP 9. Installation procedure & Opening of Tally. ERP9, Components of the Tally.ERP 9 window, Creating a Company. Stock and Godown in Tally.ERP 9 - Stock groups, Stock categories, Stock items, Units of measure, Godowns. Introducing groups, Introducing ledgers, Introducing vouchers. Introducing purchase Introducing invoices
March	Unit-III Working with balance sheet, Working with profit & loss A/c report. Working with analysis stock summary report, Understanding ratio Working with trial balance report, Working with day book report. Payroll - Exploring payroll Tally.ERP 9, Required features to create a pay slip, Description of payroll info. Working with payroll vouchers, Defining payroll reports, working with statements of payroll report, Describing salary disbursement.
April	Unit-IV Taxation - Indian Tax Structure. Tax deducted at source in Tally.ERP 9, Create a Tax Ledger. TDS Vouchers, Printing a TDS Challan, Tax collected at source I Tally.ERP 9, TCS reports in Tally.ERP 9. Calculating VAT in Tally.ERP 9, VAT Classification, VAT Vouchers, VAT Reports in Tally.ERP 9, Service Tax. Calculating GST in Tally.ERP 9.
May	Revision Test

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Promila Suhag

Paper with Code :OPEN ELECTIVE-1(ENVIRONMENT AND ENERGY SCIENCES)

Class :M.com 2nd Sem.

Session : 2019-2020

Month	Name of the Topic
January	Environment and pollution: causes, risk factors, prevention strategies
February	Renewal & non-renewal sources of energy
March	Alternate sources of energy
April	Management of energy and environment
May	Revision
June	Exams


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code :COM 301 : Quantitative techniques

Class : M.com 3rd
Session 2019-2020

Month	Name of the Topic
January	Unit 1 Quantitative Techniques: An introduction to various quantitative techniques, their applications, functions, importance, scope and limitations of in business and industry. Operational Research: Introduction; Methodology; Applications and Scope; Models and Modelling; Limitations; Uses of Computer Software in solving OR problems.
February	Unit-2 Statistical Quality Control: Causes of variations in quality characteristics, Quality control charts; Constructing control chart computing the control limits (X and R charts); Process under control and out of control, Warning limits; Control charts for attributes. Analysis of Variance: Introduction, assumptions, Importance; significance in research; Techniques of Analysis of Variance one way classification and two way classifications.
March	Unit-3 Non-Parametric Tests: Meaning, Advantages and Disadvantages; Uses; Types of Non- Parametric Tests: Sign-Test, Mann Whitney Test, Kruskal Wallis Test, Wilcoxon signed rank tests, Wald-Wolfowitz Run test. Net Work Analysis: PERT and CPM; Significance, Steps involved, Scope, Limitation; Construction of Network Diagram; Determination of Critical Path.
April	Unit-4 Linear Programming: Introduction, Assumptions, Requirement, Advantages and limitations; General Model of LP problem; Examples of LP models formulation; Graphic Method of Solution. Linear Programming Simplex Method: Introduction; Basic terms involved in Simplex Procedure, Computational aspect of Simplex Method; Special Situation encountered during the application of Simplex Method.

May	Revision
June	Exams


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Name of Assistant/Associate Professor : Mr. Piyush

Paper with Code : COM 302 Strategic Management

Class : M.com 3rd

Session : 2019-2020

Month	Name of the Topic
July	Unit-I Introduction: Concept and Role of Corporate Strategy; Levels of Strategy; Basic Model of Strategic Management; Approaches to Strategic Decision Making; Corporate Mission, Vision, Objectives and Goals; Strategic Role of Board of Directors and Top Management.
August	Unit-II Strategic Analysis: Analysis of Broad Environment- Environmental Profile; Constructing Scenarios; Analysis of Operating Environment - Michael Porters Model of Industry Analysis; Analysis of Strategic Advantage- Value Chain Analysis; Core Competences; SWOT Analysis.
September	Strategic Choice: Generating Strategic Alternatives; Strategic options at Corporate Level- Stability, Growth and Defensive Strategies. External Growth Strategies-Merger, Acquisition, Joint Venture and Strategic Alliance. Evaluation of Strategic Alternatives - Product Portfolio Models. Selection of a suitable Corporate Strategy-Concept of Strategic Fit; Strategic options at SBU Level- Michael Porters' Competitive Strategies; Operationalizing Competitive Strategies.
October	Unit-IV Strategic Implementation & Evaluation: Strategic implementation issues; Functional Strategies-Production, Human Resource, Finance, Marketing and R. & D. Evaluation and Control-Concept, Types of Strategic Control, Techniques of Strategic Evaluation and Control
November	Revision
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Satbir

Paper with Code : COM-303: Corporate law and Auditing

Class : M.com 3rd

Session : 2019-2020

Month	Name of the Topic
July	<p>Unit I</p> <p>Introduction:</p> <p>Nature and form of business enterprise; types of business enterprise; Company definition and nature. Historical development of corporate concepts; emergence of principles of limited liability and development of company Law in England and India. Concept of corporate Personality; corporate veil and its lifting. Incorporation and its consequences types of companies and their incorporation; memorandum and article of association and their alteration; the doctrine of Ultra-Virus, constructive notice and indoor management.</p> <p>Financial Structure</p>
August	<p>Unit II</p> <p>Concept of capital and financing of companies; Sources of capital; class and types of shares; Equity with deferential rights; Issue of share at par, premium and discount; Forfeiture and suspender of shares; Bonus issues; Right issues; issue of sweet equity shares; Employee stock option scheme; Private placement;</p> <p>Alteration of share capital; reduction of capital; buy back of shares.</p> <p>Debt. Capital debentures, debenture stock, bonds; new development in corporate debt financing; debenture trust deed and trustees; conversion of and redemption of debentures. Allotment and certificate contracts to subscribe for shares, debentures and securities; calls; share certificate and share warrants.</p>
September	<p>Unit III</p> <p>Meaning: Objectives; Importance; Different Audits (Banking Companies, educational Institutions, Non-Profit Organisations, General Insurance companies; Cost Audit; and Tax Audit.</p>
October	<p>Unit IV</p>

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1. The first step in building a strong business plan is to determine the business's purpose and goals. This involves identifying the market, the target audience, and the unique value proposition of the business.

Executive Summary	Business Description
Market Analysis	Financial Projections

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Rinku

Paper with Code : COM-304: Investment management

Class: M.com 3rd
Session : 2019-2020

Month	Name of the Topic
July	Unit-I Secondary and Primary, Public Issue: IPO and other types of issues in securities in India. Participants in the securities market; Stock-Market: Stock-Exchanges, Trading and Settlement, Stock market quotations and Issues; SEBI and Future challenges in the settlement of securities market, SEBI guidelines in primary and secondary capital markets. Securities Markets
August	Unit-II Equity and Debt Analysis. Equity- Balance Sheet Valuation, Dividend Discount Model, Zero Growth, Constant Growth, Multiple Growth Model, Price Earnings Ratio Model. Debentures- Debt instruments, Bond valuation and Pricing, Yield to Maturity, Interest Rate Risk, Determination of Interest Rate Risk. Analysis of Risk in Bond-Duration and Convexity.
September	Unit-III Financial Derivatives Forwards and Futures Types and Payoffs. Pricing of financial futures and commodity futures (Cost of carry model). Hedging Exposures with Forward and Futures; Basis Risk and optional Hedge Ratio; Tailing and Rolling the Hedge. Options- Call vs. Put, Types, Put-Call Parity. Valuation using Binomial Model and Black & Scholes Model. Options trading strategies.
October	Unit-IV Macroeconomic and Industry Analysis Fundamental analysis (Industry, Company and Macroeconomic analysis); Technical analysis Dow Theory Elliot wave Moving Average. Exponential Average, Oscillators, Rate of Change (ROC), Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD)-Breadth of the Market - Momentum
November	Revision
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Neha

Paper with Code COM-305 Supply chain and logistics management

Class - M.com 3rd

Session: 2019-2020

Month	Name of the Topic
January	Unit I Supply Chain and Logistic Management: Concept, scope and Contribution of logistics at macro and micro levels; Logistic activities an Overview; SCM and trade logistics; Concept, span and process of integrated SCM.
February	Unit II Managing Relationship: Role of Relationship marketing; Managing relationships with suppliers and customers; Captive buyers and suppliers; Strategic partnerships, Supplier-retailer collaboration and alliances.
March	Focus Areas of Logistics and Supply Chain management: Transportation-Importance of effective transportation system; Service choices and their characteristics; inter-modal services; Transport cost classification and rate fixation; Logistics: Own vs. Out-sourcing; Inventory management principles and approaches; Inventory categories EOQ, Lead Time(LT), Inventory Carrying Cost(ICC); Material management systems and techniques - JIT purchasing, manufacturing and in-bound logistics; Packing and marking.
April	Unit IV IT Enabling Logistics and Supply Chain: Application of IT in logistics - Electronic Data Interchange(EDI), Bar Coding, Data warehousing, Electronic payment transfers; Business management systems; Traditional ERP(Enterprise Resource planning), Special ERP, MR,

DRP (Distribution Resource planning), PDM (Product Data Management), WMS (Warehouse Management System), TMS (Transportation Management System).

May

Revision

June

Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Monika Mittal

Paper with Code COM-306 : Training and development

Class : M.com 3rd

Session 2019-2020

Month	Name of the Topic
January	Unit I Introduction: Concept and Rationale of Training and Development; overview of training and development systems; training and development policy of an organisation; linking training and development to company's strategy; Requisites of Effective Training; Role of External agencies in Training and Development.
February	Unit II Training Needs Assessment (TNA): Meaning and purpose, Components of Needs assessment- Advantages, TNA at different levels, Approaches, Methods used in TNA, Output of TNA.Competency modeling-Organization Analysis, Selection of Trainees and Trainers.
March	Unit III Designing Training and Development Programs: Organization of Training and Development programs, Training design, kinds of training and development programs- competence based and role based training, orientation and socialization; diversity training, choice of training and development methods, Preparation of trainers; developing training materials; E-learning environment; Flexible learning modules; Self-development; Training process outsourcing.
April	Unit IV Evaluation of Training and Development: Reasons for evaluating Training and development programs, Problems in evaluation; Evaluation planning and data collection, different evaluation frameworks, Problems of Measurement and Evaluation; Costing of training, measuring costs and benefits of training program.

	obtaining feedback from trainees; Methods of evaluating effectiveness of Training Efforts. Developing a Training and Development Program for Top, Middle and Bottom Level management employees of an Industrial and Service organisation...
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Amita

Paper with Code : COM 308 *case study*

Class: M.com 3rd sem

Session: 2019-2020

Month	Name of the Topic
July	Case no. 1,2,3&4 with exercise, question and answer
August	Case no. 5,6,7&8 with exercise, question and answer
September	Case no. 9,10,11&12 with exercise, question and answer
October	Case no. 13,14,15&16 with exercise, question and answer
November	Revision
December	Exams

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P. Singh

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Ritesh

Paper with Code : COM 307 *CURRENT COMMERCE AFFAIRS*

Class *M.com 3rd sem*

Session 2019-2020

Month	Name of the Topic
July	TOPICS COVERED OF CURRENT COMMERCE AFFAIRS IN BUSINESS INDUSTRY
August	TOPICS COVERED OF CURRENT COMMERCE AFFAIRS IN HUMAN RESOURCES
September	TOPICS COVERED OF CURRENT COMMERCE AFFAIRS IN FINANCE.
October	TOPICS COVERED OF CURRENT COMMERCE AFFAIRS IN ECONOMICS & MARKETING
November	Revision
December	Exams


Principal
VAISH COLLEGE, BHIWANI

MS. CS

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Monika Mittal

Paper with Code : COM 401: RESEARCH METHODOLOGY

Class : M.com 4th sem

Session : 2019-2020

2019-2020

Month	Name of the Topic
January	Unit I Research Methodology: Meaning, Nature, Scope Objectives; Types of Research. Recent Trends and Usages of Research in Business. Problems and Hypothesis: Problem, Criteria of problems and problem statements. Hypothesis, Importance of problem and Hypothesis, values of problem and Hypothesis.
February	Unit II Design of Research: Meaning, Purpose and Principles; Various Steps in the process of Research Design; Inadequate Designs and Design criteria; General Design of Research (Exploratory Research Design, Descriptive Research Design, Diagnostic Research Design, Experimental Research Design).
March	Unit III Methods of observation and Data Collection: Interviews and Schedule as a tool of Science, Value of Interviews and Interviews Schedule. Measurement and Scaling Techniques: Component of Attitude; Types of Scale; Attitudinal Scales in qualitative Research Scaling Technique. Difficulties in developing Attitudinal Scales.
April	Unit IV Advance Techniques of Data Analysis: Factor analysis, Methods of Factor Analysis. Use of SPSS & Other Software's in Business Research. Preparation of Research Report: Types of Reports; Component of Report; Principles of Report preparation; Visual Devices in Report preparation; Presentation and communication of a Report.
May	Revision
June	Exams

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VAISH COLLEGE, BHIWANI

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush
 Paper with Code : COM 402: ENTREPRENEURSHIP
 Class : M.com 4th sem
 Session : 2019-2020

n: 2019-2020

Month	Name of the Topic
January	Unit I Entrepreneurship: Concept, knowledge and skills requirement; characteristics of successful entrepreneurs; role of entrepreneurship in economic development; entrepreneurship process; factors affecting entrepreneurship, managerial vs. entrepreneurial approach and emergence of entrepreneurship.
February	Unit II Starting the venture: generating business idea sources of new ideas, methods of generating ideas, creative problem solving, opportunity recognition; environmental scanning, competitor and industry analysis; feasibility study-market feasibility, technical/operational feasibility, financial feasibility: drawing business plan; preparing project report; presenting business plan to investors.
March	Unit III Functions of an entrepreneur: Types of entrepreneurs. Entrepreneur, Intrapreneur and Professional manager. Flow to raise Finance, Entrepreneurial plans and Network of Indian institutions. Entrepreneurial Mobility: Factors influencing mobility. Occupational Mobility. Locational Mobility.
April	Unit IV Functional plans: marketing plan, steps in preparing marketing plan, contingency planning: organizational plan-form of ownership, designing organization structure, job design, manpower planning. Preparing a Project Report for starting a new Business by an Entrepreneur.
May	Revision
June	Exams

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VAISH COLLEGE, BHIWANI LESSON PLAN PERFORMA

Session : 2019-2020

Name of Assistant/Associate Professor Ms. Neha

Paper with Code : COM 403: TAXATION LAW

Class : M.com 4th sem
Session : 2019-2020

Month	Name of the Topic
January	Unit I Introduction to Income Tax Act 1961: Salient Features and Basic Concepts Previous year. assessment year, person, gross total income and agricultural income. Residential status and incidence of tax, fully exempted incomes.
February	Unit II Heads of Income Salary, House Property, Business or Profession, capital gains, other sources, clubbing of income, Deductions (related to individuals and firms) Assessment of individuals and firms (simple problems).
March	Unit III Rebates and Relief's, Set off and carry forward of losses, deduction of tax at sources. Payment of advance tax. Central Sales Tax Act 1956-Salient features
April	Unit IV VAT :Concepts and general principles; Calculation of VAT Liability including input Tax Credits; Small Dealers and Composition Scheme; VAT Procedures; Treatment of stock & Branch transfer under State VAT Acts; Filing & Return under State VAT Act; E-filing; Practical problems on VAT. Central Excise: Salient features.
May	Revision
June	Exams

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VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Satbir

Paper with Code : COM 404: PORTFOLIO MANAGEMENT

Class : M.com 4th sem

Session : 2019-2020

Month	Name of the Topic
January	Unit-I Portfolio: Meaning and Benefits, Measurement, Scope, Usefulness. Types of Risks; Role of standard deviation and correlation coefficient in risk-return Return and Risk Analysis. Risk tolerance and asset allocation. Efficient-Market Hypothesis.
February	Unit-II Portfolio risk & return, optimal portfolio, Risk less lending and borrowings. Optimal portfolio construction- Harry Markowitz portfolio selection model. Sharpe's single Index Model. Asset Pricing Models
March	Unit-III-Capital Asset Pricing Model; Empirical evidence on CAPM; Extensions of CAPM (Zero beta CAPM and Merton's Inter temporal CAPM); Arbitrage Pricing Theory and Multifactor Asset Pricing Models. Behavioral Finance and the guidelines for Investment Decisions.
April	Unit-IV Evaluation of Portfolio Performance Portfolio Performance Evaluation (Sharpe index, Treynor Index, Jensen's alpha, Information ratio, Fama's decomposition measure). Portfolio Revision; Risk adjusted measures of return- Strategies of the Great Masters; Portfolio Risk Management Mechanics of international
May	Revision
June	Exams

Satbir
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V AISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Professor - Mrs. Manisha

Session 2019-20

V AISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Dr. Pramila Dakhyia Suhag

Paper with Code - 19MUC405C

M.COM Ind

SEMESTER - IVth

Month	Name of Topic
January	International Marketing: Meaning, Scope and Objectives Challenges and Opportunities in International Marketing Underlying Forces of International Marketing Strategic Alliances, Direct Investment, Manufacturing and Franchising Export Marketing: Recent Import Export Policy and Procedure
February	Export Incentives: Rules for Successful Exporting, Registration of Exporters, Appointing Overseas Agents Obtaining a License International Pricing Decisions: Factors Influencing International Pricing Decisions, Uniform v/s Market by Market Pricing Arranging Finance for Exports Financial and Fiscal Incentives Provided by the Government Foreign Exchange Facilities Offered by EXIM Bank and R.B.I.
March	Introduction Machinery of International Business Disputes Legal Concepts Relating to International Business Export Documentation: Various Documents Required for Exporting Export Support Institution: An Overview Export Support Institution: An Overview Legal and Ethical Issues in International Marketing
April	International Marketing Research: Concept of Marketing Research, Need for Marketing Research Scope of International Marketing Research, Approach to Marketing Research Marketing Research Process Marketing Survey Marketing Information System
May	Revision of Full Syllabus. Taking Class Test & Power Point Presentation.
Examination	

VAISHI COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mrs. Rinku

Paper with Code : COM 406 PERFORMANCE AND COMPENSATION MANAGEMENT

Class : M.com 4th sem

Session : 2019-2020

Month	Name of the Topic
January	Unit I Conceptual Framework of Performance Management: Concept, Needs and Objectives, Importance of performance management system; Performance management and performance appraisal; Linkage of performance management system with other HR practices; Factors affecting Performance Management System.
February	Unit 2 Components of Performance Management System: Performance planning, Ongoing support and coaching; Performance measurement and evaluation; Performance management and appraisal; Methods of performance appraisal; Appraisal Communication; Counselling, Identifying potential for development; Linking pay with performance. Designing an effective Performance Management System. Performance Management Practices in India
March	Unit III Compensation Management: Compensation management process, Forms of pay, Financial and non-financial compensation, Compensation Strategies, Assessing job values & relativities; Pay structures; Designing pay levels, mix and pay structures, construction of optimal pay structure. Paying for performance, skills and competence. International pay systems: comparing costs and systems; Concept and Rationale of Employees Welfare. Compensation Practices in India.
April	Unit IV The Workmen's Compensation Act, 1923: Objects; Employer's liability for compensation; Amount of compensation; Distribution of compensation; Notice and claims, remedies of employers against stranger; Procedures in proceedings before Commissioner. Minimum Wages Act, 1948: An Overview.
May	Revision
June	Exams

VAINI COLLEGE, BHUWANE

LESSON PLAN PERFORMA

Name of the Teacher: _____
 Date: _____

Date	Name of the Topic
11/11/20	Introduction to the subject
12/11/20	Chapter 1: _____
13/11/20	Chapter 2: _____
14/11/20	Chapter 3: _____
15/11/20	Chapter 4: _____
16/11/20	Chapter 5: _____

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code **COM-408**

M.COM 2nd

SEMESTER- IVth

Month	Name of Topic
January	Case No. 1,2,3 & 4 with exercise, Question and Answer
February	Case No. 5,6,7 & 8 with exercise, Question and Answer
March	Case No. 9,10,11 & 12 with exercise, Question and Answer
April	Case No. 13,14,15 & 16 with exercise, Question and Answer
May	Revision of Case Studies & Class Test .
Examination	

Dr. Promila Dahiya Suhag

M.Sc. CS

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mrs. Manisha

Paper with Code: 19MCS101: MATHEMATICAL FOUNDATION OF COMPUTING

Class: M.Sc (CS) 1st

Session: 2019-2020

Month	Name of the Topic
July	Sets Sets Subsets, Equal Sets Universal Sets, Finite and Infinite Sets, Operation on Set, Dem Intersection and Complements of Sets. Cartesian Product, Cardinality of Set, Simple Applications. Relations and Functions: Properties of Relations, Equivalence Relation, Partial Order Relation. Function: Domain and Range. Onto, Into and One to One Functions, Composite and Inverse Functions.
August	Propositional Logic: Proposition logic, basic logic. Logical Connectives, truth tables, tautologies, contradiction, Logical implication, Logical equivalence, Normal forms, Theory of Inference and deduction, Predicate Calculus: Predicates and quantifiers. Mathematical Induction. Matrices: Definition, Types of Matrices, Addition, Subtraction, Scalar Multiplication and Multiplication of Matrices. Adjoint and inverse of a matrix. Determinants: Definition, Minors, Cofactors, Properties of Determinants, Applications of determinants in finding area of triangle, solving a system of linear equations.
September	Graph: Definition, walls, paths, trails, connected graph, regular and bipartite graph, cycles and circuits. True and rooted tree. Spanning tree. Eccentricity of a vertex radius and diameter of a graph Central graphs. Centru(s) of a tree. Hamiltonian and Eulerian graph, planar graphs
October	Probability and Distribution: Probability spaces, conditional probability, Independence, Discrete random variables, Independent random variables, the multinomial distribution, Poisson approximation to the binomial distribution, infinite sequences of Bernoulli trials, sums of independent random variables: Expectation of Discrete Random Variables, Moments, Variance of a sum, Correlation coefficient, Chebyshev's Inequality.
November	Revision
December	Exams


 Mrs. Manisha
 Assistant Professor

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Manisha

Paper with Code : 19MCS102: DATA STRUCTURES USING C

Class : M.Sc (CS) 1st

Session: 2019-2020

Month	Name of the Topic
July	Programming fundamentals: Algorithm development, Techniques of problem solving, flowchart, decision table, structured programming concepts; top-down design, development of efficient program; program correctness; debugging and testing of programs, algorithm for searching, sorting (exchange and insertion), Analysis of Algorithm: Frequency count, Time Space tradeoff..
August	Programming in C: Introduction to C, Data type, constants and variable; Structure of a C program, Operators and Expressions, Control statements: Sequencing, Alteration and Iteration; Arrays: Representation of single and multidimensional arrays; sparse arrays - lower and upper triangular matrices and Tri-diagonal matrices; String and pointers, Functions, Recursion.
September	Stacks and Queues: Introduction and Primitive operations on stack; Stack application: Infix, postfix, prefix expressions; Evaluation of postfix expression; Conversion from infix to Postfix; Introduction and Primitive Operation on queues, D-queues and Priority queues, Circular queue. Linked Lists: Introduction to Linked lists; Implementation of linked lists, operations such as traversal, Insertion, deletion, searching, Two way lists.
October	Trees: Introduction and Terminology; Traversal of binary trees; Recursive algorithms for tree operations such as traversal, insertion, deletion; threaded Binary trees, binary search trees; AVL trees, B tress. File structure: Physical Storage devices and their characteristics, constituents of a file viz. fields, records, fixed and variable length records, primary and secondary keys; file operations, basic file system operations. file organizations: serial sequential, index sequential, direct, inverted, multilist. Sorting Techniques: Bubble Sort, Insertion sort, Selection sort, merge sort, Heap sort, Quick sort. Searching Techniques: Linear search, Binary search, Hashing function and Collision Handling methods.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Manisha

Paper with Code : 19MCS103: DATABASE MANAGEMENT SYSTEM

Class : M.Sc (CS)1st

Session : 2019-2020

Month	Name of the Topic
July	Introduction: Characteristics of database approach, data models, DBMS architecture and data independence. E-R Modeling: Entity types, Entity set, attribute and key, Relationships, Relation types, Roles and Structural constraints, Weak entities, Enhanced ER Model. Database Languages: DDL, DML, Database Access for applications Programs, Database Users and Administrator, Transaction Management, Database system Structure, Storage Manager, Query Processor.
August	Relational Model: Introduction to the Relational Model, Integrity Constraint over Relations, Enforcing Integrity constraints, Querying relational data, Logical data base Design, Introduction to views, Destroying/altering Tables and Views. Relational Algebra and Calculus: Relational Algebra, Set operations, Selection and projection, renaming, Joins, Division, Examples of Algebra overviews, Relational calculus: Tuple relational Calculus, Domain relational calculus, Expressive Power of Algebra and Calculus.
September	Schema Refinement, Functional dependencies: Problems Caused by redundancy, Decompositions, Problem related to decomposition, Normalization : FIRST, SECOND, THIRD Normal forms, BCNF, Lossless join Decomposition, Dependency preserving Decomposition, Schema refinement in Data base Design, Multi valued Dependencies, forth Normal Form. Transaction Management: ACID Properties, Transactions and Schedules, Concurrent Execution of transaction, Serializability and recoverability
October	Concurrency Control: Introduction to Lock Management, Lock Conversions, Dealing with Dead Locks, Concurrency without Locking, Recovery Techniques, Database Security. Introduction to Oracle : Getting started, Modules of Oracle, Invoking SQLPLUS, Data types, Data Constraints, Operators, Data manipulation - Create, Modify, Insert, Delete and Update; Searching, Matching and Oracle Functions. SQL* Forms: Basic concepts, Form Construction, Creating default form, user-defined form, multiplerecord form, Master-detail form.
November	Revision
December	Exams

Manisha

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Manisha

Paper with Code : 19MCN104. FUNDAMENTALS OF WEB DESIGNING

Class : M.Sc (CS) Ist

Session : 2019-2020

Month	Name of the Topic
July	Introduction to Web programming - Introduction to SGML features-HTML, XHTML, DHTML, XML- HTML VS XML Creating XML documents Parsing an XML document Writing well-formed documents-Organizing elements with namespaces-Defining elements in a DTD-Declaring elements and attributes in a DTD. Overview of HTML. basic formatting tags heading, paragraph, underline break, bold, italic, underline, superscript, subscript, font and image. Attributes align, color, bgcolor, font face, border, size. Navigation Links using anchor tag internal, external, mail and image links. Lists - ordered, unordered and definition, Table tag. HTML Form controls form, text, password, text area, button, checkbox, radio button, select box, hidden controls.
August	Cascading Style Sheets: Introduction, Inline, Internal, External CSS, Linking CSS to Web Page. Client- Side Programming: Introduction to JavaScript, Basic Syntax. Variables and Data types, Statements, Operators, Literals, Functions, Objects, Arrays. XML: Relation between XML and HTML, Goals of XML Structure and Syntax of XML, Well Formed XML, DTD and its Structure, tree structures in data organization, Searching with XPath.
September	Web Application and Information Gathering: HTTP Request, Response, Header Fields and HTTPS Understanding Same Origin, Sessions, Web Application Proxies. Web server role Apache Web Server Introduction Architecture Features Apache's Role in the Internet LAMP WAMP- Installation and Configuration Build and Install Apache Web Server Verify Initial Configuration Start, Stop, and Status the Apache Server Process.
October	Server side programming server side scripts PHP Designing dynamic web pages using PHP- Defining PHP variables variable types operators control flow constructs in PHP passing form data between pages Establishing connection with MySQL database managing database
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS105: COMPUTER ORGANIZATION AND ARCHITECTURE

Class: M.Sc (CS)1st

Session : 2019-2020

Month	Name of the Topic
July	Representation of Information: Number Systems: Binary, Octal and Hexadecimal, Integer and Floating-point representation, Character codes: ASCII and EBCDIC. Basic Building Blocks and Circuit Design: Boolean Algebra and Logic Gates: OR, AND, NOT, XOR Gates; De Morgan's theorem; Universal building blocks; Simplifying logic circuits : sum of product and product of sum form; Karnaugh Map simplification; Combinational logic blocks (Adders, Multiplexers, Encoders, Decoder), Sequential logic blocks (Latches, Flip-Flops, Registers, Counters).
August	Register transfer and Micro-operations: Register Transfer Language; Bus and memory Transfer; Micro operations: Arithmetic, Logic & Shift Micro operations. Basic Computer Organization and Design: Instructions Codes, Register reference, Memory Reference & Input-Output instructions, Instruction Cycle, Timing and Control, Interrupts; Design of Control unit: Hardwired control unit, Micro-programmed control unit.
September	Memory Organization: Memory Hierarchy, Main Memory, Auxiliary Memory, Cache Memory, Virtual Memory. Register Organization and Parallel Processing: General Register Organization, Stack Organization, Instruction Formats, Addressing Modes; Data Transfer & Manipulation Instructions, CISC and RISC: Features and Comparison, Pipeline and Vector Processing: Parallel processing, Pipelining, Arithmetic Pipeline, Instruction pipeline and Arrays Processors.
October	Input-Output Organization: Peripheral Devices, Input-Output interface, Asynchronous Data Transfer, Modes of transfer, Priority interrupt, Direct Memory Access (DMA), input-output processors (IOP), Serial communication. Multi-processors, characteristics of multi-processors, Interconnection structures, Inter-processor Arbitration, Inter-processor Communication and Synchronization, Cache Coherence.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Manisha

Paper with Code : OPEN ELECTIVE-1 (ENVIRONMENT AND ENERGY SCIENCES)

Class : M.Sc (CS)1st

Session : 2019-2020

Month	Name of the Topic
July	Environment and pollution: causes, risk factors, prevention strategies
August	Renewal & non-renewal sources of energy
September	Alternate sources of energy
October	Management of energy and environment
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Hemant

Subject with Code : 19MCS201: OPERATING SYSTEM AND UNIX

Class: M.Sc (CS)2nd

Session 2019-2020

Month	Name of the Topic
January	Operating systems overview: Operating systems as an extended machine & resource manager. Operating systems classification; Operating systems and system calls; Operating systems architecture. Process Management functions: Process model, hierarchies, and implementation; process states and transitions; multi-programming, multi-tasking, multi-threading; level of schedulers and scheduling algorithms.
February	Memory Management and Virtual Memory : Logical versus Physical Address Space, Swapping, Contiguous Allocation, Paging, Segmentation, Segmentation with Paging, Demand Paging, Performance of Demanding Paging, Page Replacement, Page Replacement Algorithm, Allocation of Frames, Thrashing.
March	Device Management functions: I/O devices and controllers, interrupt handlers, Types of I/O Software: Device independent I/O software, User-space I/O software, Terminal I/O software. Disk scheduling. File management functions: file naming, structure, types, access mechanisms, attributes and operations; directory structures and directory operations; file space allocations; file sharing, file locking; symbolic links; file protection and security: distributed file systems.
April	Concurrent programming: sequential and concurrent process; precedence graph. Bernsterins condition; time dependency and critical code section, mutual exclusion problem; classical process coordination problems; deadlock handling, inter-process communication. Unix Operating System: Overview of UNIX OS in general and implementation of all above functions in Unix Operating System.
May	Revision
June	Exams

Dr. Hemant
Principal
VAISH COLLEGE BHIWANI

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Hemant

Paper with Code : 19MCS202: DATA COMMUNICATION AND COMPUTER NETWORKS

Class : M.Sc(CS) 2nd

Session 2019-2020

Month	Name of the Topic
January	Introduction to Computer Network: Types of Networks, Network Topologies, OSI and TCP/IP Reference Models; Comparison of Models. Data Communications Concepts: Digital Vs. Analog communication; Parallel and Serial Communication; Synchronous, Asynchronous and Isochronous Communication; Communication modes: simplex, half duplex, full duplex; Multiplexing; Transmission media: Wired- Twisted pair, Coaxial cable, Optical Fiber, Wireless transmission: Terrestrial, Microwave, Satellite, Infra red.
February	Communication Switching Techniques: Circuit Switching, Message Switching, Packet Switching. Data Link Layer Fundamentals: Framing, Basics of Error Detection, Forward Error Correction, Cyclic Redundancy Check codes for Error Detection, Flow Control. Media Access Protocols: ALOHA, Carrier Sense Multiple Access (CSMA), CSMA with Collision Detection (CSMA/CD), Token Ring, Token Bus.
March	High-Speed LAN: Standard Ethernet, Fast Ethernet, Gigabit Ethernet, 10G; Wireless LANs: IEEE 802.11, Bluetooth. Network Layer: IP Addressing and Routing, Network Layer Protocols: IPv4 (Header Format and Services), ARP, ICMP (Error Reporting and Query message); IPv6 (Header Format and Addressing).
April	Transport Layer: Process-to-Process Delivery: UDP, TCP; Connection Management by TCP; Basics of Congestion Control. Application Layer: Domain Name System (DNS); SMTP; HTTP; WWW. Network Security: Security Requirements and attacks; Cryptography: Symmetric Key (DES, AES), Public Key Cryptography (RSA); Firewall.
May	Revision
June	Exams


 Principal
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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS203: DATA MINING

Session : 2019-2020

Class: M.Sc 2nd

Month	Name of the Topic
January	<p>Introduction to Data Mining: Scope of Data Mining, How does Data Mining Works, Predictive Modelling on Data Mining, and Architecture for Data Mining, Profitable Applications of Data Mining, Data Mining Tools</p> <p>Business Intelligences Introduction, Business Intelligence, Business Intelligence tools, Business Intelligence Infrastructure, Business Intelligence Applications, BI versus Data Warehouse, BI versus Data Mining, Future of Bi.</p>
February	<p>Data Pre-processing: Data Pre-processing Overview, Data Cleaning, Data Integration and Transformation, Data Reduction, Discretization and Concept Hierarchy Generation.</p> <p>Data Mining Techniques-An Overview: Introduction of Data Mining Techniques, Data Mining Versus Database Management System. Data Mining Techniques- Association rules, Classification, Regression, Clustering, Neural networks.</p>
March	<p>Clustering: Introduction of Clustering, Cluster Analysis, Clustering Methods K means, Hierarchical clustering, Agglomerative clustering, Divisive clustering, clustering and segmentation software, evaluating clusters,</p> <p>Web Mining: Terminologies, Categories of Web Mining-Web Content Mining, Web Structure Mining, Web Usage Mining, Applications of Web Mining, and Agent based and Data base approaches. Web mining Software</p>
April	<p>Applications of Data mining: Business Applications Using Data Mining- Risk management and targeted marketing, Customer profiles and feature construction, Medical applications (diabetic screening). Scientific Applications using Data Mining, Other Applications.</p>
May	Revision
June	Exams


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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS204: OBJECT ORIENTED PROGRAMMING USING JAVA

Session : 2019-2020

Class: M.Sc (CS) 2nd

Month	Name of the Topic
January	Introduction to Java Basics of Java programming, Data types, Variables, Operators, Control structures including selection. Looping, Java methods, Overloading, Math class. Arrays in java. Objects and Classes: Basics of objects and classes in java, Constructors, Finalizer, Visibility modifiers Methods and objects, Inbuilt classes like String, Character, StringBuffer, File, this reference
February	Inheritance and Polymorphism: Inheritance in java, Super and sub class, Overriding, Object class, Polymorphism, Dynamic binding, Generic programming, Casting objects, Instance of operator, Abstract class, Interface in java, Package in java, UTIL package.
March	Event and GUI programming: Event handling in java, Event types. Mouse and key events, GUI Basics, Panels, Frames. Layout Managers: Flow Layout, Border Layout, Grid Layout, GUI components like Buttons, Check Boxes, Radio Buttons, Labels, Text Fields, Text Areas, Combo Boxes, Lists, Scroll Bars. Sliders, Windows, Menus, Dialog Box. Applet and its life cycle, Introduction to swing.
April	I/O programming: Text and Binary I/O, Binary I/O classes, Object I/O, Random Access Files. Multithreading in java: Thread life cycle and methods, Runnable interface, Thread synchronization, Exception handling with try-catch-finally, Collections in java, Introduction to JavaBeans and Network Programming.g
May	Revision
June	Exams


 Principal
 VAISH COLLEGE, BHIWANI

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS205: ARTIFICIAL INTELLIGENCE

Class: M.Sc (CS) 2nd

Session : 2019-2020

Month	Name of the Topic
January	Introduction to Artificial Intelligence, various definitions of AI. AI Applications and Techniques. Turing Test and Reasoning forward & backward chaining Introduction to Intelligent Agents, Rational Agent, their structure, reflex, model-based, goal-based, and utility-based agents, behaviour and environment in which a particular agent operates.
February	Problem Solving and Search Techniques: State space search, Problem Characteristics, Production Systems, Control Strategies, Breadth First Search, Depth First Search, iterative deepening, uniform cost search, Hill climbing and its Variations, simulated annealing, genetic algorithm search; Heuristics Search Techniques: Best First Search, A algorithm, AO* algorithm. Minimax & game trees, refining minmax, Alpha Beta pruning, Constraint Satisfaction Problem, Means-End Analysis.
March	Reasoning with Uncertain Knowledge: Different types of uncertainty degree of belief and degree of truth, various probability constructs prior probability, conditional probability, probability axioms, probability distributions, Bayes' rule, other approaches to modelling uncertainty such as Dempster- Shafer theory. Fuzzy logic: Definition, Difference between Boolean and Fuzzy logic, fuzzy subset, fuzzy membership function, fuzzy expert system, Inference process for fuzzy expert system, fuzzy controller
April	Expert system development life cycle: Problem selection, Prototype construction. Formalization, Implementation, Evaluation. Knowledge acquisition: Knowledge engineer, Cognitive behavior, Acquisition techniques. Knowledge representation: Level of representation, Knowledge representation schemes, Formal logic, Inference Engine, Semantic net, Frame, Scripts.
May	Revision
June	Exams

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS208: MATLAB

Class: M.Sc(CS) 2nd

Session : 2019-2020

Month	Name of the Topic
January	Introduction to MATLAB programming, Basic of MATLAB programming, Variables and assignments. data types, operators, working with numbers, mathematical operations, functions, good programming style, commands, M-files.
February	Introduction to Vectors in MATLAB: Vector types, referencing the elements of vector. Matrix generations. Array operations and Linear Equations; Introduction to programming in Matlab: M-File scripts, M-File functions, Colon notations; Introduction to Matrices in Matlab: defining Matrix, Matrix
March	Looping and Decision Making: for loops, while loop, branching and nesting, if statement, if-else statement, else-if statement, subroutine, built in function and user defined functions, handling functions in m-files.
April	Data Files: Data import and data output, read/write, Plotting and Graphics in MATLAB: Polar plot, 2D and 3D plots, mesh, contour, Algebra, Optimization, Numerical Integration, Numerical Differentiation. solving polynomial equations, Introduction to SIMULINK.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 18CS100: COMMUNICATION SKILLS

Class: M.Sc (CS)2nd

Session : 2019-2020

Month	Name of the Topic
January	Human Communication, Verbal and Non Verbal Communication, Barriers to communication; the seven C's of effective communication. Preparing for interviews, CV/Bio-data, Group Discussion, Public Speaking, Mass Communication.
February	Common Courtesies, Introducing Oneself Formally and Informally, Introducing Oneself on Social Media; Speaking Strategies: Making Enquiries, Clarifications, Recommendations, Explanations, Rejections, etc.; Being Diplomatic; Telephonic Communication. Conversational Practice in Various Situations:
March	Meeting, parting, asking/talking about daily activities, at railway station, seeking information, buying at shops, asking about buses, travelling by bus, using expressions of time, talking about money, identifying people, at the post office, at the bank, at the grocery store, immediate family and relatives, hiring a taxi, talking about weather/weather conditions, breakfast or lunch at a restaurant, ordering food, dinner conversations, at the doctors clinic, quitting and finding jobs, office conversations. conversations about school/college/university, the English class, driving a car. Students shall develop dialogue-based conversations on the above-mentioned situations.
April	Personality Development Skills: Personal Grooming: Assertiveness; Improving Self-Esteem: Significance of Critical Thinking: Confidence Building; SWOC analysis. Emotional intelligence: Recognizing and Managing Emotions and Situations; Stress and Anger Management, Positive Thinking: Developing Sense of Humour.
May	Revision
June	Exams

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VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : 19MCS301: PYTHON PROGRAMMING

Class: M.Sc (CS)3rd

Session : 2019-2020

Month	Name of the Topic
July	Introduction: History of Python, Need of Python Programming. Applications Basics of Python Programming Using the REPL(Shell), Running Python Scripts, Variables, Assignment, Keywords, Input- Output, Indentation.
August	Types, Operators and Expressions: Types Integers, Strings, Booleans: Operators Arithmetic Operators. Comparison (Relational) Operators, Assignment Operators, Logical Operators, Bitwise Operators, Membership Operators, Identity Operators, Expressions and order of evaluations Control Flow- if, if-elif-else, for, while break, continue, pass and Data Structures Lists: Operations, Slicing, Methods, Tuples, Sets, Dictionaries, Sequences. Comprehensions
September	Functions: Defining Functions, Calling Functions, Passing Arguments, Keyword Arguments, Default Arguments, Variable-length arguments, Anonymous Functions, Fruitful Functions (Function Returning Values), Scope of the Variables in a Function- Global and Local Variables. Modules: Creating modules. Import statement, from. Import statement, name spacing, Python packages, Introduction to PIP, Installing Packages via PIP, Using Python Packages
October	Object-Oriented Programming OOP in Python: Classes, 'self-variable', Methods, Constructor Method, Inheritance, Overriding Methods, Data hiding. Error, and Exceptions: Difference between an error and Exception, Handling Exception, try except for block, Raising Exceptions, User Defined Exceptions, Data Compression, Multithreading, GUI Programming, Turtle Graphics Testing: Basic concepts of testing, Unit testing in Python, Writing Test cases, Running Tests.
November	Revision
December	Exams


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja
 Paper with Code : 19MCS302: COMPUTER GRAPHICS
 Class: M.Sc (CS)3rd

Session 2019-2020

Month	Name of the Topic
July	Overview of Computer Graphics: Computer Graphics and Its Types, Applications of Computer Graphics; Graphics Display Devices: CRT (Random-Scan and Raster Scan Monitor), Color CRT Monitors, Refresh CRT and Interlacing: DVST, Emissive and Non-Emissive Display devices; Hard copy devices; Graphics Software Standards.
August	Scan Conversion: Scan Converting a Point, Line: Slope Method, DDA and Bresenham's Algorithm, Circle: Mid Point and Bresenham's Algorithm, Anti-aliasing. 2-D Graphics Transformations: Rotations, Scaling, Translation, Reflection, Shearing; Homogeneous coordinates: Need, Transformations in Homogeneous Coordinates. Composite Transformation.
September	Polygon Filling: Scan-Line Polygon Fill Algorithm, Inside-Outside tests, Boundary-Fill Algorithm, Flood Fill Algorithm, Cell Array, Character Generation. Two-Dimensional Viewing: The Viewing Pipeline, Window to View port coordinate transformation, Clipping Operations, Point Clipping, Line Clipping, Polygon Clipping for convex and concave polygons, Text Clipping, Exterior Clipping.
October	Interactive Picture-Construction Techniques: Basic Positioning Method, Constraints, Grids. Gravity field, Rubber Band Methods, Dragging, Painting and Drawing. Three-Dimensional Concepts: Three Dimensional Display Methods: Parallel Projection and Perspective Projection; 3D Transformations: Translation, Rotation & Scaling. Applications of 3D graphics.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mrs. Pooja
 Paper with Code: 19MCS03 SOFTWARE ENGINEERING
 Class: M.Sc. (CST) III

Session 2019-2020

Month	Name of the Topic
July	Introduction to Software Engineering: Software crisis, Software engineering Approach and Challenges, Software development process models with comparison: Waterfall, Prototype, Time boxing and Spiral Models, RAD Model and Automation through software environments. Quality Standards like ISO 9001, SEI-CMM. Requirement Analysis: Structured Analysis, Behavioral & non-behavioral requirements, Software requirement specification: components & characteristics, Function point metric.
August	Software Project Planning: Cost estimation, static, Single & multivariate models, COCOMO model, Putnam Resource Allocation Model, Risk management, project scheduling, personnel planning, team structure, Software configuration management, quality assurance, project monitoring, Empirical. Software Design: Fundamentals, problem partitioning & abstraction, design methodology, Function Oriented Design, Cohesion, Coupling & their classification, User Interface Design, Detailed design, Information flow metric.
September	Software Design: Fundamentals, problem partitioning & abstraction, design methodology, Function Oriented Design, Cohesion, Coupling & their classification, User Interface Design, Detailed design, Information flow metric. Coding: Choosing Programming Language, Characteristics of Program, Avoiding Dead Codes, and Program Metrics: Size Estimation; Complexity metric (McCabe's Cyclometric Complexity), Halsted Theory, Function Point Analysis. Software Testing: Impracticality of Testing all Data and Paths, Levels of testing, Functional vs. Structural testing, Static and Dynamic Testing Tools, Regression testing, Mutation Testing, Stress Testing; Validation Vs. verification.
October	Software Re-Engineering: Source Code Translation, Program Restructuring, Data Re-Engineering, Reverse Engineering. Configuration Management: Maintaining Product Integrity, Change Management, Version Control, Configuration accounting: Reviews, Walkthrough, Inspection, and Configuration Audits; Reliability Models (JM, GO, MUSA Markov), Limitations of Reliability Models.
November	Revision
December	Exams

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : ELECTIVE-I(SOFT COMPUTING)

Class: M.Sc (CS)3rd

Session : 2019-2020

Month	Name of the Topic
July	Introduction to Soft Computing: Introduction, Difference between Hard and Soft computing, Requirement of Soft computing, Major Areas of Soft Computing, Applications of Soft Computing
August	Neural Networks: Introduction to Neural Network, Learning rules and various activation functions, Single layer Perceptrons, Back Propagation networks, Architecture of Backpropagation (BP) Networks, Back propagation Learning, Variation of Standard Back propagation Neural Network, Introduction to Associative Memory, Adaptive Resonance theory and Self Organizing Map, Recent Applications.
September	Hybrid Systems: Sequential Hybrid Systems, Auxiliary Hybrid Systems. Embedded Hybrid Systems, Neuro-Fuzzy Hybrid Systems, Neuro-Genetic Hybrid Systems, Fuzzy-Genetic Hybrid Systems.
October	GA based Back propagation Networks: GA based Weight Determination, K-factor determination in Columns. Fuzzy Back propagation Networks: LR type Fuzzy numbers, Fuzzy Neuron, Fuzzy BP Architecture, Learning in Fuzzy BP, Application of Fuzzy BP Networks.
November	Revision
December	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : ELECTIVE-II (INTERNET OF THINGS)

Class: M.Sc (CS)3rd

Session : 2019-2020

Month	Name of the Topic
July	Introduction to IoT: Defining IoT, Characteristics of IoT, Physical design of IoT, Logical design of IoT. Functional blocks of IoT, Communication models & APIs IoT&M2M: Machine to Machine, Difference between IoT and M2M, Software define Network
August	Network & Communication aspects: Wireless medium access issues, MAC protocol survey, Survey routing protocols, Sensor deployment & Node discovery, Data aggregation & dissemination
September	Challenges in IoT: Design challenges, Development challenges, Security challenges, Other challenges and Domain specific applications of IoT: Home automation, Industry applications, Surveillance applications, Other IoT applications
October	Developing IoTs: Introduction to Python, Introduction to different IoT tools, Developing applications through IoT tools, Developing sensor based application through embedded system platform. Implementing IoT concepts with python
November	Revision
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

Paper with Code : OPEN ELECTIVE-II(SWACH BHARAT)

Class: M.Sc(CS) 3rd

Session : 2019-2020

Month	Name of the Topic
July	Explain Swacchhata, Ways of awareness for Swachhata Personal Hygeine
August	Health and Health Education Balance diet and Sanitation practices
September	Solid waste management, Segregation, Disposal Non-Biodegradable and Biodegradable waste
October	Compost pits, Biogas plants and ways of campaigning Role of Gram panchayat in Swachhta
November	Revision
December	Exams


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M. S. Mathy

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Abhay

Paper with Code – Abstract Algebra-I(18MTH-101)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
August	Unit-I Definition of a group, examples including matrices, permutation groups, groups of symmetry, roots of unity, Zassenhaus lemma, Normal and subnormal series, Composition series, Jordan-Holder theorem, Solvable series, Derived series, Solvable groups, the symmetric group of degree $n \geq 2$.
September	Unit-II Central series, Nilpotent groups and their properties, Equivalent conditions for a finite group to be nilpotent, Upper and lower central series, Sylow-p sub groups, Sylow theorems.
October	Unit-III Definition of a ring, examples including congruence classes modulo n, ideals and homomorphism, quotient rings, polynomial ring in one variable over a ring, units, non-zero divisors, integral domains. UFD, PID, ED. Radical of an ideal, Primary ideals, Primary decomposition
November	Unit-IV Similarity of matrices, Similarity of linear transformation, Invariant subspaces, Triangular form, Invariant direct-sum decomposition, nilpotent transformation, Jordan canonical form, Rational canonical form.
December	Exams


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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code – Measure and Integration Theory(18 MTH-104) –

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
August	Unit-I Measurable functions and their equivalent formulations, Properties of measurable functions. Approximation of measurable functions by sequences of simple functions, Measurable functions as nearly continuous functions, Egoroffs theorem, Lusin's theorem, F. Riesz theorem for convergence in measure.
September	Unit-II Shortcomings of Riemann Integral. Lebesgue Integral of a bounded function over a set of finite measure and its properties, Lebesgue integral, Bounded convergence theorem, Lebesgue theorem, Fatou's Lemma, Monotone convergence theorem, General Lebesgue Integral, Lebesgue convergence.
October	Unit-III Vitali's covering Lemma, Differentiation of monotonic functions, Functions of bounded variation and its representation as difference of monotonic functions. Differentiation of Indefinite integral. Fundamental Theorem of Calculus.
November	Unit-IV spaces, Convex functions, Jensen's inequalities, The Holder and Minkowski inequalities, Convergence and Completeness of space, Riesz-Fisher Theorem, Bounded linear functional on space, Riesz representation theorem.
December	Exams

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code – Mathematical Statistics(18 MTH-105)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
August	Unit-I Probability: Classical, Statistical and axiomatic approach, Addition theorem, Boole's Conditional probability and multiplication theorem, Independent events, Bayes' theorem and its applications. Random variable, discrete and continuous random variables, probability mass and density functions.
September	Unit-II Joint, marginal and conditional distributions. Mathematical Expectation and It's properties. Variance, Covariance, Moment generating function. Discrete distributions: Binomial, Poisson and geometric distributions with their properties.
October	Unit-III Continuous distributions: Uniform, Normal, Gamma and Exponential distributions and their properties. Chebychev's inequality, Central Limit Theorem. Weak Law of Large Numbers.
November	Unit-IV Point and interval estimation, Unbiasedness, Sufficiency, Consistency and Efficiency. Testing of Hypothesis, Null and alternative hypotheses, Simple and composite hypotheses, types of errors, Level of significance, Power of the Test, Critical Region. One tailed and two tailed tests, t-test, Chi-square test, F-test.
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code – Differential Equation (18 MTH-102)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
August	Unit-I Initial value problem and equivalent integral equation. Lipschitz condition, Picard Fundamental theorem, Dependence of solutions on initial conditions and parameters, Solution of initial-value problems by Picard method. Sturm-Liouville BVPs, Lagrange's identity and Green's formula.
September	Unit-II Adjoint systems, Self-adjoint equations of second order. Linear systems, Matrix method for Fundamental set and fundamental matrix, nth order differential equation equivalent to a first order system.
October	Unit-III Nonlinear differential system, Plane autonomous systems and critical points, Classification of critical points - rotation points, foci, nodes, saddle points. Periodic solutions and Floquet theory for periodic systems, Limit cycles, Bendixson non-existence theorem.
November	Unit-IV Motivating problems of Calculus of Variations, Shortest Distance, Minimum surface of Revolution, Brachistochrone problem, Isoperimetric problem, Geodesic. Fundamental Lemma. Euler equation for one dependent function and its generalization to 'n' dependent functions.
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code –Abstract Algebra-II(18MTH-201)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER II	
January	Unit-I Module, Sub module & properties of Module, Cyclic modules, Simple and semi-simple modules, Schur's lemma, Free modules, Fundamental structure theorem of finitely generated modules over principal ideal domain and its applications to finitely generated abelian groups.
February	Unit-II Neotherian and Artinian modules and rings with simple properties and examples, Nil and Nilpotent ideals in Neotherian and Artinian rings, Hilbert Basis theorem.
March	Unit-III Algebraic extension of a field : Extension of a field, Degree of a field extension, Algebraic extension of a field, Roots of a polynomial in an extension field, Algebraically closed field Splitting field : Root fields, Splitting field or decomposition field, Theorems on decomposition field.
April	Unit-IV Normal and Separable Extensions of Fields : Normal extensions, Some theorems on normal extensions, Multiple roots, Separable and inseparable extension, Primitive element. Galois fields, properties of finite fields, Structure of the multiplicative group of a finite field, Construction of subfields of $GF(P^n)$.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code -Complex Analysis(18 MTH-202)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER II	
January	Unit-I Module, Sub module & properties of Module, Cyclic modules, Simple and semi-simple modules, Schur's lemma, Free modules, Fundamental structure theorem of finitely generated modules over principal ideal domain and its applications to finitely generated abelian groups.
February	Unit-II Neotherian and Artinian modules and rings with simple properties and examples, Nil and Nilpotent ideals in Neotherian and Artinian rings, Hilbert Basis theorem.
March	Unit-III Algebraic extension of a field : Extension of a field, Degree of a field extension, Algebraic extension of a field, Roots of a polynomial in an extension field, Algebraically closed field Splitting field.
April	Unit-IV Normal and Separable Extensions of Fields : Normal extensions, Some theorems on normal extensions, Multiple roots, Separable and inseparable extension, Some theorems on separability, Primitive element. Galois fields, properties of finite fields, field, Construction of subfields of $GF(P^n)$.
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code Computational Techniques(18 MTH-205)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER II	
January	Unit-I Error Analysis. Gaussian elimination method with pivoting, Algorithm and convergence of Jacobi iterative Method, Algorithm and convergence of Gauss Seidel Method, Method of Relaxation.
February	Unit-II The Solution of Non-Linear Equation: Bisection Method, Fixed point iterative method, Newton-Raphson method, Muller's Method, Secant method, Method of false position, Algorithms and convergence of these methods, Complex roots by Newton's method, System of two Equations by Newton Method and Method of Iteration.
March	Unit-III Forward difference operators, Shift operators, Average and central difference operators. Lagrange's interpolation Polynomial, Interpolation with equidistant Points: Forward Difference Table and Backward Chebyshev interpolation Polynomials.
April	Euler's Method, Modified Euler's methods with error analysis, Taylor's series and Runge-Kutta methods with error analysis, Predictor-corrector methods for solving initial value problems, Linear homogeneous and non-homogeneous difference equations with constant coefficients. Eigenvalue and eigenvector.
May	Revision
June	Exams

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code - Operation Research Techniques (18 MTH- 204)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER II	
January	Unit-I Operations Research: Origin, definition and its scope, Linear Programming: Formulation and Solution of linear programming problems by Graphical and Simplex methods, Big - M and Two-phase methods, Degeneracy, Duality in linear programming.
February	Unit-II Transportation Problems: Basic Feasible Solutions, Optimum solution by stepping stone and modified distribution methods, unbalanced and degenerate problems, trans-shipment problem. Assignment problems: Solution by Hungarian method, unbalanced problem, case of maximization.
March	Unit-III Queuing models: Basic components of a queuing system, General birth-death equations, steady-state solution of Markovian queuing models with single and multiple servers (M/M/1, M/M/C, M/M/1/k, M/M/C/k).
April	Unit-IV Inventory control models: Economic order quantity (EOQ) model with uniform demand and with different rates of demands in different cycles, EOQ when shortages are allowed, EOQ with uniform replenishment, Inventory control.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code – Mechanics(18 MTH-103)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
August	Unit-I Moments and products of Inertia, Theorems of parallel and perpendicular axes, Angular momentum of a rigid body about a fixed point and about a fixed axes, Principal axes, Kinetic energy of a rigid body rotating about a fixed point.
September	Unit-II Generalized co-ordinates. Holonomic and Non-holonomic systems. Scleronomic and Rheonomic systems. Lagrange's equations for a simple holonomic dynamical system, Lagrange's equations for conservative and impulsive forces. Energy equation for conservative fields. Hamilton's canonical variables.
October	Unit-III Poisson Bracket. Poisson's Identity. Jacobi-Poisson Theorem. Hamilton's Principle. Principle of Least action. Poincare Cartan Integral invariant. Whittaker's equations. Jacobi's equations. Hamilton-Jacobi equation. Jacobi theorem. Lagrange Brackets, Canonical Transformations.
November	Unit-IV Gravitation: Attraction and potential of rod, disc, spherical shells and sphere. Laplace and Poisson equations. Work done by self-attracting systems. Distributions for a given potential. Equipotential surfaces. Surface and solid harmonics.
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code – Topology (18MTH-203)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER II	
January	Unit-I Definition and examples of topological sets. Closure. Dense subsets. Neighbourhoods. Interior, exterior and boundary points of a set. Accumulation points and derived sets. Bases and sub-bases. Subspaces and relative topology. Kuratowski Closure Operator and Neighbourhood Systems.
February	Unit-II Continuous functions and homeomorphism. Connected spaces. Connectedness on the real line. Components. Locally connected spaces.
March	Unit-III Compactness, compact sets, Basic properties of compactness. Compactness and finite intersection property. Sequentially and countably compact sets. Stone-Cech compactification Compactness in metric spaces.
April	Unit-IV First and Second Countable spaces. Lindelof's theorem. Separable spaces. Second Countability and Separability. Separation axioms. T_0 , T_1 , and T_2 spaces. Urysohn's Lemma and Tietze Extension theorem. T_3 and T_4 spaces. Complete regularity and Complete normality. T_5 and T_6 spaces.
May	Revision
June	Exams

VAISH COLLEGE, BHIVANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Praveen Dahiya Sahni

Paper with Code: ENCS-100

M.Sc. English

SEMESTER-2nd

Month	Name of Topic
July	Introduction to Basics of Communication: Communication and its various definition, features/characteristics of the communication, process of communication, communication model and theories, barrier to effective communication.
August	Improving LSRW: introduction, verbal and nonverbal communication, listening process, group discussion, forms of oral presentation, self-presentation, dyadic communication, use of communication, developing dialogues, self skill.
September	Basic vocabulary: how to improve vocabulary, prefix suffix, synonyms/antonyms, use word substitution, spellings.
October	Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, nouns), language games.
November	Proper use of Language: The Communication Skills, The effective Speech & effective self-presentation & facing interview: The interview process & preparing for it, The presentation skills.
December	Revision of Full Syllabus, Taking Class Test & Power Point Presentation.
Examination	

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code – Open Elective-1 (Environment and Energy Management)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER I	
November	Environment and pollution: causes, risk factors, prevention strategies
December	Renewal & non-renewal sources of energy
January	Alternate sources of energy
February	Management of energy and environment
March	Exams

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code – Partial Differential Equation(18MTH-301)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
August	Unit-I First and Second order P.D.E.: Curves and surfaces, Classification of integrals, Compatible systems, Integral Surfaces through a Given curve. Method of separation of variables, Genesis of Second Order P.D.E. One Dimensional Wave Equation: Vibrations of an Infinite Strings.
September	Unit-II Elementary Solution of Laplace's Equation, Problems with Axial Symmetry, Boundary Value problems, Maximum and Minimum Principles, The Cauchy Problem, The Dirichlet Problem for upper half plane, The Neumann Problem for upper half plane, The Dirichlet problem for a circle, The Neumann problem for a circle.
October	Unit-III Heat Conduction problem: Heat conduction- Infinite rod case, Heat conduction- finite rod case, Duhamel's principle, Heat Conduction Equation. Families of Equipotential Surfaces, Kelvin's Inversion theorem. symmetry of Green's function, Green's function for a half space and for a unit ball. Dirichlet's principle.
November	Unit-IV Numerical Solutions, An Explicit Finite Difference Method, An Implicit Finite Difference Method (Crank- Nicolson Method) Analytic versus Numerical Solutions, Classification of PDEs, Monte Carlo Methods, Monte Carlo Solutions of PDEs.
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code - Functional Analysis(18MTH-401)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER IV	
January	Unit-I Normed spaces, Banach spaces, Finite dimensional normed space and subspaces, Linear operators, Bounded and Continuous linear operators, Linear Functionals, Normed spaces of operators, Dual spaces.
February	Unit-II Inner product space and its properties, Hilbert spaces, orthogonal complements and direct sums, Legendre, Hermite and Laguerre polynomials, Representation of Functionals on Hilbert spaces, Hilbert- Adjoint Operator, Self- Adjoint, Unitary and Normal Operators.
March	Unit-III Hahn Banach Theorem, Uniform bounded principle, Closed graph Theorem, Open mapping Theorem, Adjoint Operators, Reflexivity.
April	Unit-IV Spectral theory in finite dimensional normed spaces, Spectral properties of Bounded Linear Operators, Further Properties of Resolvent and Spectrum, Spectral properties of Bounded Self- Adjoint Linear Operators, Positive Operators.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code – Differential Geometry(18MTH-302)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
August	Unit-I Curves with torsion: Tangent, Principal Normal, Curvature, Binormal, Torsion, Serret-Frenet formulae, Locus of centre of Curvature.
September	Unit-II Spherical Curvature, Locus of centre of Spherical Curvature. Envelopes: Surfaces, Tangent plane, Envelope, Characteristics, Edge of regression.
October	Unit-III Curvilinear Co-ordinates: First order magnitude, Directions on a surface, Second order magnitudes, Derivative of unit normal.
November	Unit-IV Principal directions and curvatures. Geodesics: Geodesic property, Equations of geodesics, Torsion of a geodesic.
December	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code –Integral Equation(18MTH-402)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER IV	
January	Unit-I Linear Integral Equations, Some Basic Identities, Initial value problems reduced to Volterra integral equations, Method of successive substitution and successive approximation to solve Volterra Integral equations of second kind, iterated Kernels and Solution of a Volterra integral Equation.
February	Unit-II Boundary value problems reduced to Fredholm Integral equations, Method of successive substitution and successive approximation to solve Fredholm Integral equations of second kind, iterated Kernels and Neumann series for Fredholm.
March	Unit III Alternate Procedure for construction of the Green function by using its basic four properties, Reduction of a boundary value problem to a Fredholm Integral equation, Hilbert- Schmidt theory of symmetric kernels.
April	Unit-IV Integral transform for solving integral equations, basic properties of Laplace transforms, solution of Abel's equation using Laplace transform, application of Laplace transform to the solution of Volterra integral equation, solution of integro-differential equations. Fourier sine and cosine transforms.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code – Mechanics of solids-I(18MTH-303)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
August	Unit-I Cartesian tensors: Cartesian tensors of different order, Properties of tensors, Symmetric and skew-symmetric tensors, Isotropic tensors of different orders and relation between them, Tensor invariants. Eigen-values and eigen vectors of a second order tensor, Scalar, vector, tensor functions, Comma notation, Gradient, Divergence and Curl of a tensor field.
September	Unit-II Analysis of Stress: Stress vector, stress components. Cauchy equations of equilibrium. Stress tensor. Symmetry of stress tensor. Stress quadric of Cauchy. Principal stress and invariants.
October	Unit-III Analysis of Strain: Affine transformations. Infinitesimal affine deformation. Geometrical interpretation of the components of strain. Strain quadric of Cauchy. Principal strains and invariants. General infinitesimal deformation. Saint-Venant's equations .
November	Unit-IV Equations of Elasticity: Hooke's law and its generalization. Hooke's law in media with one plane of symmetry, orthotropic and transversely isotropic media. Elastic moduli for isotropic media. Equilibrium and dynamic equations for an isotropic elastic solid. Beltrami-Michell compatibility equations, Saint-Venant's Principle
December	Revision and test

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code –Mechanics of solids-II(18MTH-403)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER IV	
January	Unit-I Two-dimensional Problems: Plane strain and Plane stress. Generalized plane stress. Airy stress function for plane strain problems. General solutions of a Biharmonic equation. Stresses and displacements in terms of complex potentials.
February	Unit-II Torsion of Beams: Torsion of cylindrical bars. Torsional rigidity. Torsion and stress functions. Lines of shearing stress, Simple problems related to circle, ellipse and equilateral triangle cross-section. Circular groove in a circular shaft.
March	Unit-III Viscoelasticity: Spring & Dashpot, Maxwell & Kelvin Models, Three parameter solid, Correspondence principle & its application to the Deformation of a viscoelastic Thick-walled tube in Plane strain.
April	Unit-IV Waves: Simple harmonic progressive waves, scalar wave equation, progressive type solutions, plane waves and spherical waves, stationary type solutions in Cartesian and Cylindrical coordinates. Elastic Waves: Propagation of waves in an unbounded isotropic elastic solid. P.SV and SH waves.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code -- Discrete Mathematics(18MTH-305)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
August	Unit-I Graph Theory - Definitions and basic concepts, special graphs, Subgraphs, isomorphism of graphs, Walks, Paths and Circuits, Eulerian Paths and Circuits, Hamiltonian Circuits, matrix representation of graphs, Planar graphs, Coloring of Graph.
September	Unit-II Directed Graphs, Trees, Isomorphism of Trees, Representation of Algebraic Expressions by Binary Trees, Spanning Tree of a Graph, Shortest Path Problem, Minimal spanning Trees, Cut Sets, Tree Searching.
October	Unit-III Formal Logic - Statements. Symbolic Representation and Tautologies. Quantifier, Predicates and Validity. Propositional Logic. Lattices-Lattices as partially ordered sets. Their properties. Lattices as Algebraic systems. sublattices, Direct products, and Homomorphisms. Join-irreducible elements. Atoms and Minterms.
November	Unit-IV Boolean Algebras. Boolean Algebras as Lattices. Various Boolean Identities. The switching Algebra example. Sub algebras, Direct Products and Homomorphisms. Boolean Forms and Their Equivalence. Minterm Boolean Forms. Applications of Boolean Algebra to Switching Theory. The Karnaugh Map method.
December	Revision and test

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

Paper with Code – Advanced Fluid Dynamics(18MTH-404)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER IV	
January	Unit-I Irrotational motion in two-dimensions. Complex potential. Complex velocity potential for standard two dimensional flows: uniform flows, line sources, line sinks, line doublets and two dimensional image systems. Milne-Thomson's circle theorem. Vortex Rows, single and double infinite rows of vortices.
February	Unit-II Gas Dynamics: Compressibility effects in real fluids, the elements of wave motions, the speed of sound in a gas, equations of motion of a gas, Subsonic, Sonic and Supersonic Flows, Isentropic gas flow, flow through a nozzle, Shock waves.
March	Unit-III Stress components in a real fluid. Relations between rectangular components of stress. Gradients of velocity. Connection between stresses and gradients of velocity.
April	Unit-IV Navier-Stoke's equations of motion. Steady motion between parallel planes, steady flow through tube of uniform cross-section and Couette flows between two parallel plates. Theory of lubrication. Flow between concentric rotating cylinders, viscous flow in tubes of uniform cross-section.
May	Revision
June	Exams

Suman
Principal

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code – Fluid Dynamics (18MTH-304)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
August	Unit-I Kinematics -Real Fluids and Ideal Fluids, Velocity at a point of a fluid. Eulerian and Lagrangian methods. Stream lines, path lines and streak lines. Velocity potential. Irrotational and rotational motions. Vorticity and circulation. Equation of continuity.
September	Unit-II Pressure at a point in a moving fluid. Euler's and Lagrange's equations of motion. Equations of motion in cylindrical and spherical polar co-ordinates. Bernoulli's equation. Impulsive motion. Kelvin's circulation theorem.
October	Unit-III Acyclic and cyclic irrotational motions. Kinetic energy of irrotational flow. Kelvin's minimum energy theorem. Mean potential over a spherical surface. K.E. of infinite fluid. Uniqueness theorems. Axially symmetric flows. Liquid streaming past a fixed sphere. Motion of a sphere through a liquid at rest at infinity.
November	Unit-IV Sources, sinks and doublets. Images of sources, sinks and doublets in rigid impermeable infinite plane and in impermeable spherical surface. Two dimensional flow. Use of cylindrical polar co-ordinates. Stream function. Stoke's stream function. Stoke's stream function of basic flows.
December	Revision and test

[Signature]
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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Abhay

Paper with Code – Mathematical aspects of Seismology(18MTH-405)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER IV	
January	Unit-I Waves: General form of progressive waves, Harmonic waves, Plane waves, the wave equation. Principle of superposition. Progressive types solutions of wave equation. Stationary type solutions of wave equation in Cartesian, Cylindrical and Spherical coordinates systems.
February	Unit-II Spherical waves. Expansion of a spherical wave into plane waves: Sommerfield's integral. Kirchoff's solution of the wave equation, Poissons's formula, Helmholtz's formula. Introduction to Earthquakes, Location of earthquakes, Causes of Earthquakes, Observation of Earthquakes.
March	Unit-III Reduction of equation of motion to wave equations. P and S waves and their characteristics. Polarization of plane P and S waves. Snell's law of reflection and refraction. Reflection of plane P and SV waves at a free surface.
April	Unit-IV Two dimensional Lamb's problems in an isotropic elastic solid: Area sources and Line Sources in an unlimited elastic solid. A normal force acts on the surface of a semi-infinite elastic solid.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Reetu

Paper with Code –Open Elective II(Swachh Bharat)

Class- M.Sc. Mathematics

Session: 2019-20

Month	Name of Topic
SEMESTER III	
November	Explain Swacchhata, Ways of awareness for Swachhata Personal Hygeine
December	Health and Health Education Balance diet and Sanitation practices
January	Solid waste management, Segregation, Disposal Non-Biodegradable and Biodegradable waste
February	Compost pits, Biogas plants and ways of campaigning Role of Gram panchayat in Swachhta
March	Revision


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LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Neha

Paper Cost Accounting I & II

Class B.com 5th, 6th semester

Session 2019-2020

Month	Name of Topic
August	Unit-1 Cost accounting: Meaning, features, scope and techniques, Methods, objectives, importance and limitations. Costing, cost accountancy, cost centres and profit centres, main elements & types. Material control: Meaning and objectives of material control, material purchase procedure, re-order level, minimum level, maximum level, danger level, EOQ analysis, wastage of material.
September	Unit-2 Labour cost control: Importance, methods of time keeping and time booking, systems of wage payment, time wage payment, piece wage system.
October	Unit-3 Overhead: Basics of overhead, types of overhead, collection and classification, allocation and apportionment, absorption of overheads.
November	Unit- 4 Unit and output costing: Meaning and objectives, cost sheet, determination of tender price, reconciliation of cost and financial accounts Revision
December	Exam
January	Unit-1 Process costing: Meaning, uses,, normal wastage, abnormal wastage,
February	Unit-1 Treatment of opening and closing, joint product, by product, inter process profits Unit-2 Contract costing- Meaning, main features, contract near completion, cost plus contract, job and batch costing.
March	Unit-3 Budgetary control: Meaning of budgets and budgetary control, limitations. Performance Budgeting, Zero based budgeting Marginal costing, Absorption costing, Marginal cost. Standard costing-meaning, limitations, standard costs and budgeted costs, determination of standard cost, cost variances, direct material and direct labour.
April	Unit-4 Marginal Costing and Profit planning: Marginal costing, Absorption costing, Marginal cost, Cost volume Profit analysis, BEP Analysis, Key factor, BE chart, angle of incidence, concept of decision- making and steps involved, determination of sales mix.
May	Revision
June	Exam


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LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Saurabh

Paper Income Tax Law I & II (Code 5.01 & 6.01) Class B.com 5th - 6th semester Session 2019-2020

Month	Name of Topic
August	Unit-1 An overview, main definitions, agriculture income, residential status, Exempted income
September	Unit-2 Income from salaries, calculation of taxable income from salary including retirement, Income from house property
October	Unit-3 Profits and gain from business and profession, tax treatment of depreciation, capital gain
November	Unit- 4 Income from other sources, clubbing of income and aggregation of income, set off and carry forward of losses, deduction in total income.
December	Exam
January	Unit-1 Rebate & relief of tax, computation of total income
February	Unit- 2 Assessment of hindu undivided family, assessment of firms & association of persons.
March	Unit-3 Income tax authorities and powers, deduction of tax at source, advance payment of tax.
April	Unit-4 Recovery of refund of tax, appeals.
May	Revision
June	Exam


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Name of Assistant Professor/ Associate Professor- Ms. Rinku

Paper Financial Management(6.03)

Class B.com 6th semester Session 2019-2020

Month	Name of Topic
January	Unit-1 Scope of Finance; Finance functions, Financial Manager's role, Financial goal; Profit maximization Vs Wealth maximization, Objective of financial Management, Finance and related disciplines, Financial planning
February	Unit-2 Working Capital Management : Meaning, nature and planning of Working Capital. Permanent and variable Working Capital. Balanced working position, determinates of working Capital, Issues of working Capital Management. Management of cash and Marketable Securities and Receivables Management.
March	Unit-3 Cost of capital : Significance and determination, capitalisation; leverage analysis: operating, financial and composite leverage: EBIT-EPS Analysis.
April	Unit-4 Capital structure theory and policy: Relevance of capital structure; Net income and traditional views, Irrelevance of capital structure; NOI Approach and the MM Hypothesis without taxes, capital structure planning and policy. Dividend Theory and Policy : Issues in dividend policy, Walter's and Golden's model of dividend relevance objections of dividend policy, considerations in dividend policy, stability of dividends, forms of dividend
May	Revision
June	Exam

Rinku
Principal

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Himanshu

Paper GST(6.05)

Class B.com 6th semester

Session 2019-2020

Month	Name of Topic
January	Unit – I Introduction:- Salient feature of GST, Benefit of GST, Constitutional Framework of Goods and Services tax, concept of GST; Important definitions; Supply under GST:- Meaning and scope of supply including composite and mixed supply ; levy and collection including reverse charge mechanism, Tax on electronic commerce operator (ECO); Exemption from GST; Composition levy;
February	Unit – II Place of Supply:- Within state/Union territory, Interstate, Import and export; Time of Supply of goods and services; Value of supply including valuation rules; Input tax credit:- Eligibility and conditions for taking Input Tax Credit, Apportionment of credit and blocked credit, ITC in case of banking company and financial institutions, ITC availability in special circumstances, Reversal of ITC on switching to composition levy or exit from tax-paying status, Transfer of ITC on account of change in constitution of registered person, Input service distributors;
March	Unit – III Registration; Issue of invoices:- tax invoice, revised tax invoice, credit note, debit note, bill of supply, receipt voucher, refund voucher, payment voucher, invoices in special cases. ; E-way bill; Payment of Taxes; Returns; Job work; Provision of TDS and TCS; Record keeping, Assessment and Audit
April	Unit – IV Customs duty: Important definitions, types, importance, documents required for import and export procedure : Export Promotion Scheme.
May	Revision
June	Exam

VAISHI COLLEGE, BIHAWANI

LESSON PLAN PERFORMA

Name of Account Professor: Associate Professor M. Himanshu

Topic: Financial Market Operations (FM)

Class: B.Com. Vth semester, Session 2019-2020

Serial

Name of Topic

Topic

Unit 1 Money market Indian money market, features, functions, instruments of money market, open market in Indian money market Capital market Security market, primary market, secondary market, functions and roles of stock exchange, foreign Stock exchanges, XXI and also the counter exchange

Serial

Unit 2 XI (ii) Introduction, role, its powers, objectives, scope and functions, various powers, conditions concerning stock exchange and dealings and their control, company law, bond, promissory

Serial

Unit 3 Characteristics of stock exchanges, Brokers, sub brokers, market makers, various powers, conditions, objectives, Financial services, credit ratings

Serial

Unit 4 Risk, Risk measures relating to Development Financial Institution in India, Powers & Services of RBI by ICAI, IIM, IIRI, NIMRI, IICA, ICAI, ICAI, ICAI & ICAI - Meaning and Services of mutual funds, ICAI, XI (ii)

Serial

Topic

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Amita

Paper Entrepreneurship and SSB(5.05)

Class B.com 5th semester Session 2019-2020

Month	Name of Topic
August	Unit-1 Entrepreneurship: Meaning, emergence of entrepreneurship, knowledge and skill requirement, role of entrepreneurship, entrepreneurship process, intrapreneur and professional manager. Entrepreneurial competencies. Entrepreneurial motivation, performance and rewards.
September	Unit-2 Opportunity scouting and idea generation: role of creativity & innovation and business Sources of business ideas. Entrepreneurial opportunities in contemporary business environment, for example opportunities in network-marketing, franchising, business process outsourcing in the early 21st century. Preparation of Project Report and Report on Experiential Learning of successful/unsuccessful entrepreneurs.
October	Unit-3 Managerial roles and functions in a small business. Designing and redesigning business processes, location, layout, operations planning & control. Basic awareness of the issues impinging on quality, productivity and environment. Managing business growth. The pros and cons of alternative growth options: internal expansion, acquisitions & mergers, integration & diversification. Crises in business growth.
November	Unit-4 Issues in small business marketing. The concept and application of product life cycle (ptc), advertising & publicity, sales & distribution management. The idea of consortium marketing, competitive bidding/tender marketing, negotiation with principal customers. The contemporary perspectives on Infrastructure Development, Product and Procurement Reservation, Marketing Assistance, Subsidies and other Fiscal & Monetary Incentives. National, state level and grass-root level financial and nonfinancial institutions in support of small business development
December	Exam

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Rinku

Paper Accounting for Mgmt.(5.03)Class B.com 5th semester Session 2019-2020

Month	Name of Topic
August	Unit-1 Management accounting- nature and scope, significance , limitations, management accountant: position and role. Management Accounting principles, Management accounting v/s financial accounting v/s cost accounting, utility of management accounting, limitations, tools of management accounting.
September	Unit-2 Analysis and Interpretation of financial statements: meaning and types, types of financial analysis, steps involved in financial analysis, techniques of financial analysis, ratio analysis, balance sheet ratios and turnover ratios, advantages and limitations.
October	Unit- 3 Cash flow statements: meaning, objectives, limitations, financial planning
November	Unit 4- Capital Budgeting: Meaning, nature, need, importance, appraisal methods, capital rationing. Revision
December	Exam

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Himanshu

Paper Auditing(6.04)

Class B.com 6th semester Session 2019-2020

Month	Name of Topic
January	Unit – I Auditing : Meaning, objectives, importance and types of Auditing. Audit Process: internal control, internal check & internal audit, audit programmer.
February	Unit – II Audit Procedure : Routine checking, vouching, verification & valuation of assets & liabilities
March	Unit – III Audit of Public Company : Qualification, Appointment of company Auditors, their powers, duties and liabilities, Audit of depreciation and reserves, Divisible profits & dividend
April	Unit – IV Audit Report and Investigation Audit Report : Meaning, objectives, contents and types. Investigation : Meaning, Nature and objectives
May	Revision
June	Exam

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Himanshu

Paper International Business Environment(5.06iv)Class B.com 5th semester Session 2019-2020

Month	Name of Topic
August	Unit – I Recent global trends in international trade and finance; dimensions and modes of IB; structure of IB environment; risk in IB; motives for internationalization of firms; organizational structure for IB; world trading system and impact of WTO; exchange rate systems; global financial system; barriers to IB; international business information and communication.
September	Unit – II Foreign market entry strategies; country evaluation and selection; factors affecting foreign investment decisions; impact of FDI on home and host countries; types and motives for foreign collaboration; control mechanisms in IB.
October	Unit – III Decisions concerning global manufacturing and material management; outsourcing factors; managing global supply chains; product and branding decisions; managing distribution channels; international promotion mix and pricing decisions; counter trade practices; mechanism of international trade transactions.
November	Unit – IV Harmonizing accounting difference across countries; currency translation methods for consolidating financial statements; the LESSARD-LORANGE Model; cross cultural challenges in IB; international staffing decisions; compensation and performance appraisal of expatriate staff; ethical dilemmas and social responsibility issues.
December	Exam

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Name of Assistant Professor/ Associate Professor- Ms. Amita

Paper International Marketing(6.06i)
2020

Class B.com 6th semester

Session 2019-

Month	Name of Topic
January	Unit-1 International Marketing: Nature and Concept; Domestic Vs International Marketing; Opportunities and Challenges for marketing in International Environment ; Foreign market selection and entry modes.
February	Unit – II Product Planning and Pricing: International product life cycle research and informations; Product designing and packaging; Pricing process and methods; International price quotations and payment terms
March	Unit – III International Distribution: Channel structure and selection decisions; Managing channel conflicts; Selection and appointment of foreign sales agents; Basic export procedure and documentation
April	Unit – IV Product Promotion: Methods of International product Promotion; challenges in International advertising and media strategy; Web marketing; Organising trade fairs and exhibitions.
May	Revision
June	Exam

VAISHI COLLEGE, BHUWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Dr. Sathir

Paper- Corporate Accounting-1 Class - B.com 3rd semester
2019-20

Session -

Paper code-3.01

Month	Name of Topic
August	Share Capital: Meaning, types, Accounting Treatment of issue, forfeiture and reissue of Share; Buy- back of equity shares & Sweat shares; Redemption of preference share; Issue of Bonus Share.
September	Debenture: Meaning, Types. Issue and Redemption of Debentures.
October	Valuation of Goodwill: Meaning, objectives, determinates and main methods. Valuation of Shares: Meaning, objectives, determinates and main method.
November	Profit or loss before and after incorporation. Final accounts of companies.
December	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Sourabh

Paper- Business Statistics-1

Class – B.com 3rd semester

Session – 2019-20

Paper code- 3.02

Month	Name of Topic
August	<p>Introduction of Statistics: Origin, Development, Definition, Scope, Uses and Limitations.</p> <p>Statistical Data: Types of Measurement scales normal, Ordinal, Interval and Ratio level measurement, Collection, Classification and Tabulation of Primary and Secondary data.</p> <p>Presentation of data: Diagrammatic and Graphical presentation of Data-Bar, Squares, rectangular and Circular diagrams, Histogram, frequency polygon, Ogives, Stem and Leaf displays box plots.</p>
September	<p>Central Tendency and Partition values; Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p> <p>Dispersion: Concept and Its absolute as well as relative measures.</p>
October	<p>Moments, Skewness and Kurtosis: Moments about any point and about mean and the relationship between them.</p> <p>Sheppard's Corrections for Moments. Concept of symmetrical distribution and skewness, measures and Co- efficient of skewness, Concept of Kurtosis and its measures.</p>
November	<p>Analysis of bivariate data : Correlation concept , Scatter diagram, Karl Pearson's co-efficient of correlation and its properties , spearman's rank correlation, co-current deviation method.</p> <p>Regression : meaning and definition , D/F between Correlation & Regression , principle of least squares and fitting of a line of best fit to given data , Regression lines, Properties of regression, co-efficient and regression line , standard error of estimate, co-efficient of determination.</p>
December	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Piyush

Paper- Business Regulatory Framework-1 Class – B.com 3rd semester Session – 2019-20

Paper code- 3.03

Month	Name of Topic
August	Indian Contract Act: Valid contract and its elements; Void and voidable agreements: Void and illegal agreements: Offer and acceptance, Contractual capacity of parties, Free consent of parties; Lawful consideration and object; Agreements expressly declared as void.
September	Contingent Contracts: Quasi contracts; Discharge of contracts: methods of discharge of contracts; Consequences of Breach of contracts. Contract of Indemnity and guarantee: Elements of contract of Indemnity; Rights of Indemnity Holder and indemnifier Guarantee: features of contract of guarantee; Rights and Liabilities of surety; Discharge of surety, Difference between contract of indemnity and Guarantee.
October	Contract of Bailment and Pledge: Meaning; types of bailment, Termination of bailment, Duties and rights of bailor and bailee. Essentials of pledge, who may pledge, Rights and Duties of Pawnor and Pawnee.
November	Consumer protection Act 1986: Salient features of consumer Protection Act; Rights of consumers, consumer Protection councils; consumer disputes redressal machinery.
December	Exams

VAISHI COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Himanshu

Paper- Corporate Law-1 Class – B.com 3rd semester Session – 2019-20

Paper code- 3.04

Month	Name of Topic
August	Company- Meaning and Characteristics; Features of company, Types of companies, advantages and disadvantages of incorporation, Lifting of corporate veil
September	Formation of Company: Promotion of company, Functions of promoter, importance of promoter, Promoter's remuneration; legal status of Promoter; Rights of promoters, Duties of promoters; Liabilities of promoters; Pre- incorporation contracts, Incorporation and commencement of Business. Prospectus: - definition; Public offer, contents, misleading prospectus and its consequences.
October	Memorandum of Association: Meaning, importance; clauses of memorandum of association and their Alteration: doctrine of ultra-virus. Articles of Association: - Meaning, contents, alteration of articles of association, constructive notice and doctrine of indoor management.
November	Borrowing Powers; Debentures and Charges.
December	Exams


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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Amita

Paper- Human Resource Management Class B.com 3rd semester Session 2019-20

Paper code- 3.05

Month	Name of Topic
August	An Introduction to Human Resource Management Definition, Importance objectives and scope of Human Resource Management (HRM). Function of Human Resource Management Managerial and Operative Functions. Qualification and Qualities of Human Resource manager in our organization. Evolution and Growth of Human Recourse Management (HRM) India.
September	Recruitment Selection and Training: Recruitment: Meaning, Steps in recruitment policy, sources and modes of recruitment, Factors affecting recruitment. Selection - Meaning, Essentials of Selection Procedure, Stages in Selection Procedure. Training: - Concept, Need and importance of Training. Methods of Training - On the job Training + off the job Training, Principles of training, Evaluation of training Program in India.
October	Wage and Wage Incentives: Wages: Meaning, Objective and Theories of wages Methods of wage Programme: Time wages and Piece wages methods Concept of wages: Fair, Minimum and Living wage, Factors determining wage Structure of an organization, essentials of satisfactory wage policy. Wage Incentives: - Concept, Need and Importance of Incentives. Special Incentives Prefect sharing and Labor Co. Partnership and Essentials of Ideal Incentives system.
November	Industrial Relations and Industrial Unrest Industrial Relations: Concept, Importance and Objectives of industrial relations, Contents of industrial relations. Participants of Industrial relation and Recruitment of good Industrial relation Programme. Industrial Unrest: Meaning, Forms and Causes of industrial disputes, Impact of Industrial unrest on the Economy, preventive and curative methods and Agencies for Reconciliation of Industrial unrest.
December	Exams

VAISHI COLLEGE, BHILWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Himanshu

Paper- Production Management Class B.com 3rd semester Session - 2019-20

Paper code- 3.06(111)

Month	Name of Topic
August	Introduction: Concept, nature and scope of Production Management; Evolution of production function; Production Process, Organization of production function; Relationship between production and other functions.
September	Location and Layout: Location: nature, objectives and significance, Theories of location; factors influencing location. Layout: Meaning, objectives and types, principles of layout; factors affecting layout.
October	Production Planning and Control: Production Planning: Concept, need and Types of Production planning, Production Planning techniques. Factors influencing Production Planning. Production Control: Meaning, objectives and elements; Control techniques, Production Control in different Production Systems; Benefits & limitations.
November	Quality Control and Plan Maintenance: Quality control: Meaning, scope, objectives and organization; Quality Control Techniques. Plant Maintenance: Meaning, scope, objectives, types; Maintenance programme techniques & Organization.
December	Exams

VAISHI COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Dr. Satbir

Paper- Corporate Accounting-2
20

Class - B.com 4th semester

Session - 2019-

Paper code- 4.01

Month	Name of Topic
January	Internal Reconstruction; External Reconstruction in the nature of merger and purchase.
February	Liquidation of a company; Financial reporting for financial institutions.
March	Final Accounts of Banking Companies.
April	Accounts of Holding Companies.
May	Revision
June	Exams

Dr. Satbir
Principal

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Sourabh

Paper- Business Statistics-2 Class – B.com4th semester Session – 2019-20

Paper code- 4.02

Month	Name of Topic
January	Index Numbers: Meaning, Types and Uses; Methods of Constructing price and Quantity indices. (Simple and Aggregate); Tests of adequacy, Chain-base Index numbers, Base shifting, Splicing and Deflating, Problems in constructing index numbers; Consumer price index.
February	Analysis of Time Series: - Causes of Variations in time series data; Components of a time series. Decomposition- Additive and Multiplicative models, determination of trend. Moving averages method and method of least squares (Including linear second degree, Parabolic and Exponential trend); Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and link relative methods.
March	Theory of Probability: Probability as a Concept, Approaches to defining probability, Addition and Multiplication laws of probability, Conditional probability, Baye's Theorem.
April	Probability Distribution Probability distribution as a concept, Binomial, Poisson and Normal Distribution- Their Properties and Parameters.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Dr. Monika Mittal

Paper- Business Regulatory Framework-2 Class – B.com 4th semester
2019-20

Session –

Paper code- 4.03

Month	Name of Topic
January	Indian Partnership Act Nature of Partnership firm; test of partnership; Duties and Rights of partners; Relations of partners to third parties; position of minor in partnership; Reconstitution of a partnership firm; Registration of firm. Dissolution of firm: Modes of dissolution, consequences of dissolution of firm, settlement of accounts after dissolution.
February	Negotiable Instruments Act: Negotiable Instrument an introduction Promissory notes; Bills of Exchange, cheques, Parties to negotiable Instruments; Discharge of parties from Liability, Dishonour of Negotiable Instruments. Instruments; Presentment of Negotiable Instrument, Negotiation.
March	Sales of Goods Act: Introduction; Formation of contract of sale of Goods, conditions and warranties; Transfer of property or ownership; Performance of contract- Delivery and Payment; Rights of unpaid seller; suits of Breach of contract.
April	RTI Act: features, rights and importance.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Himanshu

Paper- Corporate Law-2

Class – B.com4th semester

Session – 2019-20

Paper code- 4.04

Month	Name of Topic
January	Depository System-meaning and importance; Shares:-; Types of shares; Allotment of Shares;; Transfer and Transmission of shares; Paperless Trading - Benefits and Procedure; Need for educating investors.
February	Share capital: Meaning and forms of capital; Alteration of share capital; Reduction of share capital; Further issue of share capital; Rights of pre-emption of shares. Shareholders and Members: - Difference between Shareholders and members; Modes of acquiring membership; termination of membership; who may be members? Rights and Liabilities of members.
March	Meeting of Company: Essentials of valid meeting, meetings of Shareholders: Annual general meeting: Extra-ordinary general meeting; meetings of board of directors, Proxy, Voting, Notice, Agenda and Minutes of meetings. Directors: - Duties, Powers, Liabilities, Appointment and removal of directors.
April	Winding Up:- Meaning, Winding up by the Tribunal-Petition for winding up; Voluntary winding up; Powers and Duties of company Liquidator, consequences of winding up..
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Armita

Paper- Marketing Management Class – B.com 4th semester
20

Session – 2019-

Paper code- 4.05

Month	Name of Topic
January	Introduction: Nature, Scope, Importance of marketing, Marketing concepts- Traditional and Modern. Market Segmentation: Concept, Importance and basis of market segmentation.
February	Consumer Behavior:- Nature, Scope, Importance, Factors affecting buyer behavior. Product Planning and Development: Importance and scope of product Planning in marketing; Stages of New product development. Product Lifecycle:- Stages of Product life cycle; factors affecting product life cycle.
March	Branding and Trademark: Difference between brand and trademark; advantages and criticism of branding, types of branding, Brand Polices and Strategies. Pricing: Meaning, Importance, Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies.
April	Advertising: Concept; Importance and criticism of advertising, Media of advertising; Evaluating advertising effectiveness. Sales Promotion: Importance, Methods, Functions and Publicity.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Himanshu

Paper- Banking and Banking Law
2019-20

Class – B.com 4th semester

Session –

Paper code- 4.06(11)

Month	Name of Topic
January	Definition of Bank. Commercial Banks-importance, functions and problems of Non-performing Assets. structure of Commercial Banking system in India. Credit Creation: Process of Credit Creation and its Limitations.
February	Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy.
March	Determination and Regulation of Interest Rates in India. Relationship between banker and Customer, Definition of Customer, General Relationship between banker and customer, obligation of banker, Garnishee order, banker's rights. Special types of Bankers Customers Minor, Married Women, Illiterate persons, Lunatics, Trustees, Executors and Administrators, Customer's attorney, Joint Account, Joint Hindu family, partnership Firm, Joint stock companies, Clubs, Societies and Charitable Institutions.
April	Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder in Due course. Rights and Liabilities of parties for Negotiable instruments: Capacity of parties: Minor's position, legal representative, Liability of parties, Drawer of Bill or Cheque, Liability of Maker of note & Acceptor of Bill, Liability of endorsed Negotiable Instruments without Consideration, Instrument obtained by Unlawful means. Endorsements: Meaning of Negotiation, Definition of Endorsement, Legal provisions regarding Endorsement, General rules regarding forms of endorsement, regular forms of Endorsement, Kinds of Endorsement.
May	Revision
June	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Dr. Satbir

Paper- Corporate Accounting Part 1 & 2 Class – B.com 3th & 4th semester Session – 2020-21

Paper code – 19 BC- 301 & 19 BC-401

Month	Name of Topic <u>Semester - 3</u>
November	Understanding of accounting standard (ICAI), Share Capital: meaning, types, Accounting Treatment of issue, forfeiture and reissue of shares, Buy back of equity shares & sweat shares, Redemption of preference shares, Issue of bonus share.
December	Debenture: meaning, types, issue and redemption of debenture
January	Valuation of goodwill: meaning, objectives, determinates and main methods. Valuation of shares: meaning, objectives, determinates and main methods.
February	Profits or loss before and after incorporation. Final accounts of companies.
March	Exam
	Semester-4
April	Provision of accounting standard: 14 (ICAI): Internal reconstruction, External reconstruction in the nature of merger and purchase.
May	Provision of accounting standard :21 (ICAI) : Accounts of holding company, consolidated balance sheet
June	Final accounts of banking companies, liquidation of a company, financial reporting for financial institution, understanding of IFRS
July	Examination

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Piyush

Paper – Business Regulatory Framework Class- Bcom-3rd semester Session – 2020-21

Paper code- 19BC-302

Month	Name of Topic
November	Indian Contract Act- Valid contract and its elements; Proposal, Acceptance and Revocation; Contractual capacity of parties; Free consent of parties
December	Lawful consideration and object, Performance and Discharge of contracts; Contingent contracts Quasi Contracts and consequences of breach of contract Contract of Bailment; Bailment and Pledge, Contract of Indemnity and Guarantee Contract of Agency: Principal-Agent Relationship
January	Consumer Protection Act: Rights of consumers, Consumer Protection councils, Consumer Disputes Redressal machinery. Sales of Goods Act- Introduction, Transfer of Property or Ownership. Conditions and Warranties; Performance of Contract: Delivery and Payment, Rights of Unpaid Seller, Suits for Breach of Contract
February	RTI Act: Salient features, Rights and Importance; RTI Act: Procedure E-Governance: Definition, Objectives, Participatory system, Components, E-Governance Services, basic understanding of the new labor rules in India and Haryana right to service act.
March	Examination

VAISH COLLEGE, BHIWANI

Name of Assistant Professor / Associate Professor- Dr. Promila Suhag

Paper-Human resource Management Class- B.com 3rd semester Session-2020-21

Paper code- 19BC-303

Month	Name of Topic
November	An Introduction to Human Resource Management Definition, Importance objectives and scope of Human Resource Management (HRM). Functions of Human Resource Management: Managerial and Operative Functions Qualification and Qualities of Human Resource manager in an organization. Evolution and Growth of Human Recourse Management (HRM) in India, Emerging Challenges of HRM-work force diversity, downsizing, work life balance etc.
December	Recruitment Selection and Training, Recruitment: Meaning, steps in recruitment policy, sources and modes of recruitment, Factors affecting recruitment. Selection: Meaning, Essentials of Selection Procedure, Stages in Selection Procedure. Training: Concept, Need and importance of Training. Methods of Training: On the job Training , off the job Training. Principles of training. Evaluation off training Programin India. Job analysis, Job Description and Job specification.
January	Wage and Wage Incentives, Wages: Meaning, Objective and Theories of wages, Methods of wage Payment: Time wages and Piece wages methods. Concept of wages: Fair, Minimum and Living wage. Factors determining wage Structure of an organization, Essentials of satisfactory wage policy. Wage Incentives: Concept, Need and Importance of Incentives Special Incentives, Essentials of Ideal Incentives system. Industrial Relations: Concept. Importance and Objectives of industrial relations, Contents of industrial relations Participants of Industrial relation and Recruitment of good Industrial relation Program.
February	Industrial Unrest: Meaning, Forms and Causes of industrial disputes, Impact of Industrial unrest on the Economy, preventive and curative methods and Agencies for Reconciliation of Industrial unrest. Labor courts for disputes in India.
March	Basic Understanding of Legal framework for the Empowerment of the Workers Examination

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Arjun

Paper- Environmental Science

Class- B.com 3rd semester

Session- 2020-21

Paper code- 19 BC-304

Month	Name of Topic
November	Multidisciplinary nature of environmental studies: Definition, scope and importance Need for public awareness; Renewable and non-renewable resources: Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
December	Ecosystems Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.
January	Environmental Pollution: Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Role of an individual in prevention of pollution. Disaster Management: floods, earthquake, cyclone and landslides.
February	Social Issues and Environment From Unsustainable to Sustainable development, Water conservation, rain water harvesting, watershed management. Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion. Human Population and Environment: Population growth, Environment and human health, Role of Information Technology in Environment and human health.
March	Exam

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Sourabh

Paper-E-commerce Class-B.com 3rd semester Session-2020-21

Paper code- 19BC-305

Month	Name of Topic
November	Introduction to E-Commerce, E-Commerce Models B2B, B2C, C2B, G2C. Applications of E-Commerce: Service Industry, Retail Sector, Financial services, Travel & Tourism. Future of E-Commerce. Online Shopping: Web Portals.
December	Introduction of Internet: Networking, Network Topologies, TCP/IP, IP Address, Domain Name, URL, E-Mail Protocol, HTTP, WWW, Search Engine, Internet and Intranet, Extranet. Mobile Commerce: Internet Services through Mobile, Mobile Banking, WAP & WML, Mobile Information Devices, POS.
January	Online Payment Mechanism, Electronic Payment System, Payment Gateways, Risk Management Options for E-Payment Systems. Cryptography, Authentication, Data Encryption, Decryption, Public Key, Private Key, Digital Signature, E-check Certification, Plastic Money-Debit, Credit card and other Smart Cards, Digital Certification.
February	Threats in E-Commerce, Security of Client & Service provider. Security Issues over the Web. Firewalls, Cyber Law- IT ACT 2000. E-governance.
March	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Ritesh

Paper- Computerized Accounting System Class- Bcom3rd semester Session- 2020-21

Paper code- 19BC-306

Month	Name of Topic
November	Computerized Accounting: Accounting Information System; Manual Accounting and Computerized Accounting: Difference b/w Manual and computerized Accounting; Advantages and Disadvantages of CAS. Sourcing of Accounting Software; Considerations before Sourcing Accounting software.
December	Accounting Packages: Ready to Use, Customized, Tailored; Choosing Accounting Packages: Various Accounting Software in Trend; Entry level software; ERP software.
January	Introduction to Tally: Creation of Company, Creation of Groups and Accounts, Designing and Creating Vouchers- Sales, Purchases, Sales return, Purchase Return, Contra, Journal and Practical.
February	Data Entry through Vouchers: Processing for Reports to prepare ledger Accounts, Trail Balance, Balance sheet and Practical with the help of workbook.
March	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shilpa Garg

Paper-Corporate Law Class-Bcom4th semester Session -2020-21

Paper code- 19BC- 402

Month	Name of Topic
April	Company: Meaning, Characteristics; Advantage and Disadvantage of Incorporation; Lifting of Corporate Veil: Private Company: Meaning, Characteristics, Advantages & Disadvantages of Private Company; Privileges of Private Company & Conversion of Pvt. Co. into Public Company & Vice-Versa; Types of Companies.
May	Promotion and Incorporation of Companies Memorandum of Association; Articles of Association; Share Capital, Members & Shareholders; Borrowing Powers.
June	Directors: Appointment & Powers: Legal Position of Directors; Shares and Stock; Share Certificate; Share Warrant. Company Meetings: Meanings, Importance & Types; Quorum & Voting Powers, Resolution & Minutes; Case Studies Regarding Company Meetings
July	Exam



VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor-Mr. Piyush

Paper-Marketing Management Class- Bcom4th semester Session – 2020-21

Paper code- 19BC- 403

Month	Name of Topic
April	Introduction: Nature, Scope, Importance of marketing, Marketing concepts- Traditional and Modern 7P's of Marketing: Market Segmentation: Concept, Importance and basis of market segmentation; E- Marketing
May	Consumer Behavior: Nature, Scope, Importance, Factors affecting buyer behavior, Product Planning and Development: Importance and scope of Product Planning in marketing: Stages of New product development; Product Lifecycle: Stages of Product life cycle, factors affecting product life cycle.
June	Branding and Trademark: Difference between brand and trademark; Advantages and criticism of branding; types of branding: Brand Polices and Strategies Pricing: Meaning: Importance. Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies. Advertising: Concept; Importance and criticism of advertising: Media of advertising: Evaluating advertising effectiveness, Sales Promotion: Importance, Methods, Functions and Publicity.
July	Exams

Name of Assistant Professor / Associate Professor - Mr. Sourabh

Paper-Business Statistics Class-Bcom4th semester Session – 2020-21

Paper code-19BC-404

Month	Name of Topic
April	<p>Introduction of Statistics: Origin, Development. Definition, Scope, Uses and Limitations. Statistical Data: Types of Measurement scales-normal, Ordinal, Interval and Ratio level measurement; Collection, Classification and Tabulation of Primary and Secondary data. Presentation of data: Diagrammatic and Graphical presentation of Data-Bar, Squares, rectangular and Circular diagrams; Histogram, frequency polygon, Ogive, Stem and Leaf displays box plots . Central Tendency and Partition values, Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p> <p>Dispersion: Concept and Its absolute as well as relative measures. Index Numbers: Meaning, Types and Uses, Methods of Constructing price and Quantity indices(Simple and Aggregate); Tests of adequacy; Chain-base Index numbers, Base shifting. Splicing and Deflating; Problems in constructing index numbers; Consumer price index.</p>
May	<p>Analysis of Bivariate data: Correlation-concept, scatter diagram, Karl Pearson's co-efficient of Correlation and its properties. Spearman's rank Correlation, Concurrent deviation method.</p> <p>Regression: Meaning and Definition, Difference between Correlation and Regression, Principle of least squares and fitting of a line of best fit to the given data, Regression lines, Properties of regression Co- efficient and Regression lines, standard error of estimate, Co-efficient of determination.</p>
June	<p>Analysis of Time Series: Causes of Variations in time series data; Component of time series, Decomposition: Additive and Multiplicative models; determination of trend. Moving average method and method of least squares (Including linear second degree, Parabolic and exponential trend. Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and relative methods. Theory of Probability: Probability as a Concept, Approaches to defining probability. Addition and Multiplication laws of probability; Conditional probability, Baye's Theorem</p> <p>Probability Distribution: Probability distribution as a concept , binomial, Poisson and normal distribution ; their properties and parameter.</p>
July	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shilpa Garg

Paper- Banking & Banking Law Class- Bcom4thsemesterSession -2020-21

Paper code- 19BC-405

Month	Name of Topic
April	Definition of Bank, Commercial Banks-importance, functions and problems of Non-Performing Assets, structure of Commercial Banking system in India. Credit Creation: Process of Credit Creation and its Limitations, E-Banking. Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy
May	Determination and Regulation of Interest Rates in India. Relationship between banker and Customer, Definition of Customer, General Relationship between banker and customer, obligation of banker, Garnishee order, banker's rights. Special types of Bankers Customers Minor, Married Women, Illiterate persons, Lunatics, Trustees, Executors and Administrators, Customer's attorney, Joint Account, Joint Hindu family, partnership Firm, Joint stock companies, Clubs, Societies and Charitable Institutions.
June	Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder in Due course. Rights and Liabilities of parties for Negotiable instruments: Capacity of parties: Minor's position, legal representative, Liability of parties, Drawer of Bill or Cheque, Liability of Maker of note & Acceptor of Bill, Liability of endorsed. Negotiable Instruments without Consideration, Instrument obtained by Unlawful means. Endorsements: Meaning of Negotiation, Definition of Endorsement, Legal provisions regarding Endorsement, General rules regarding forms of endorsement, regular forms of Endorsement, Kinds of endorsement
July	Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Arjun

Paper-Business Ethics Class-Bcom4th SemesterSession – 2020-21

Paper code-19BC-406

Month	Name of Topic
April	Business Ethics: meaning, nature and importance in business organizations, Linkages of the Stakeholders relationships, social responsibility and corporate Governance.
May	Emerging business ethics: Issues and institutionalization of business ethics. Ethical decision-making and ethical leadership, Individual values and philosophies, Organizational factors: corporate values and cultures, ethical culture and relationships.
June	Implementing Business Ethics: Developing an effective ethical program, Implementing and auditing ethical program. Business ethics in global economy. Business Sustainability: Ethical and social responsibility dimensions. Understanding techniques of moral reasoning and argumentations
July	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Tanu Sharma

Paper- Statistical Analysis through Software Class- B.com 4th semester Session-2020-21

Paper code- 19BC-407

Month	Name of Topic
April	SPSS: Introduction, Advantages and disadvantages, Data Entry. Data editor, view, variable view, Pivot table editor, Text Output editor, Chart editor Savings of Data: Variables, Types of Variables, Rules for Variables, Data analysis; Procedure, Variables selection for analysis, Run the Procedure.
May	Procedures of Analysis: Descriptive Statistics. Custom Tables, General Linear Model (GLM), Correlation, Regression, Logistic, Classify, Data reduction, Scale, Time Series, Auto correlation, Cross Correlation,
June	Procedures of Analysis: Spectral, Survival, Bar, Line, Area, Pie, Boxplot, Pareto, Control, Normal PP Plots. Normal QQ Plots, Sequences, Reports
July	Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Dr. Satbir

Paper- Corporate Accounting part 1 & 2 Class – B.com 3th & 4th semester Session – 2021-22

Paper code- 19BC-301 & 19BC-401

Month	Name of Topic
November	Understanding of accounting standard (ICAI), Share Capital: meaning, types, Accounting Treatment of issue, forfeiture and reissue of shares, Buy back of equity shares & sweat shares, Redemption of preference shares, Issue of bonus share.
December	Debenture: meaning , types, issue and redemption of debenture
January	Valuation of goodwill: meaning, objectives, determinates and main methods. Valuation of shares: meaning, objectives, determinates and main methods.
February	Profits or loss before and after incorporation. Final accounts of companies.
March	Exam
	Semester-4
April	Provision of accounting standard: 14 (ICAI): Internal reconstruction , External reconstruction in the nature of merger and purchase.
May	Provision of accounting standard :21 (ICAI) : Accounts of holding company , consolidated balance sheet
June	Final accounts of banking companies, liquidation of a company, financial reporting for financial institution, understanding of IFRS
July	Examination

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor-Ms. Preeti

Paper – Business Regulatory Framework Class- Bcom-3rd semester Session – 2021-22

Paper code- 19BC-302

Month	Name of Topic
November	Indian Contract Act- Valid contract and its elements; Proposal, Acceptance and Revocation; Contractual capacity of parties; Free consent of parties
December	Lawful consideration and object, Performance and Discharge of contracts; Contingent contracts Quasi Contracts and consequences of breach of contract Contract of Bailment; Bailment and Pledge, Contract of Indemnity and Guarantee
January	Contract of Agency: Principal-Agent Relationship Consumer Protection Act: Rights of consumers, Consumer Protection councils, Consumer Disputes Redressal machinery. Sales of Goods Act- Introduction, Transfer of Property or Ownership. Conditions and Warranties; Performance of Contract: Delivery and Payment, Rights of Unpaid Seller, Suits for Breach of Contract
February	RTI Act: Salient features, Rights and Importance; RTI Act: Procedure E-Governance: Definition, Objectives, Participatory system, Components, E-Governance Services, basic understanding of the new labor rules in India and Haryana right to service act.
March	Examination

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Reshu

Paper-Human resource Management Class- B.com 3rd semester Session-2021-22

Paper code – 19BC-303

Month	Name of Topic
November	An Introduction to Human Resource Management Definition, Importance objectives and scope of Human Resource Management (HRM). Functions of Human Resource Management: Managerial and Operative Functions. Qualification and Qualities of Human Resource manager in an organization. Evolution and Growth of Human Recourse Management (HRM) in India, Emerging Challenges of HRM-work force diversity, downsizing, work life balance etc.
December	Recruitment Selection and Training, Recruitment: Meaning, steps in recruitment policy, sources and modes of recruitment, Factors affecting recruitment. Selection: Meaning, Essentials of Selection Procedure, Stages in Selection Procedure. Training: Concept, Need and importance of Training. Methods of Training: On the job Training , off the job Training. Principles of training. Evaluation off training Programin India. Job analysis, Job Description and Job specification.
January	Wage and Wage Incentives, Wages: Meaning, Objective and Theories of wages, Methods of wage Payment: Time wages and Piece wages methods. Concept of wages: Fair, Minimum and Living wage. Factors determining wage Structure of an organization, Essentials of satisfactory wage policy. Wage Incentives: Concept, Need and Importance of Incentives Special Incentives, Essentials of Ideal Incentives system. Industrial Relations: Concept. Importance and Objectives of industrial relations, Contents of industrial relations Participants of Industrial relation and Recruitment of good Industrial relation Program.
February	Industrial Unrest: Meaning, Forms and Causes of industrial disputes, Impact of Industrial unrest on the Economy, preventive and curative methods and Agencies for Reconciliation of Industrial unrest. Labor courts for disputes in India.
March	Basic Understanding of Legal framework for the Empowerment of the Workers Examination

VAISHI COLLEGE, BHIWANI
 LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Reshu

Paper- Environmental Science

Class- B.com 3rd semester

Session- 2021-22

Paper code- 19 BC- 304

Month	Name of Topic
November	Multidisciplinary nature of environmental studies: Definition, scope and importance Need for public awareness; Renewable and non-renewable resources: Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
December	Ecosystems Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.
January	Environmental Pollution: Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Role of an individual in prevention of pollution. Disaster Management: floods, earthquake, cyclone and landslides.
February	Social Issues and Environment From Unsustainable to Sustainable development, Water conservation, rain water harvesting, watershed management. Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion. Human Population and Environment: Population growth, Environment and human health, Role of Information Technology in Environment and human health.
March	Exam


 Principal
 VAISHI COLLEGE, BHIWANI

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shivani

Paper-E-commerce

Class-B.com 3rd semester

Session-2021-22

Paper code- 19BC 305

Month	Name of Topic
November	Introduction to E-Commerce, E-Commerce Models B2B, B2C, C2B, G2C. Applications of E- Commerce: Service Industry, Retail Sector, Financial services, Travel & Tourism. Future of E- Commerce. Online Shopping: Web Portals.
December	Introduction of Internet: Networking, Network Topologies, TCP/IP, IP Address, Domain Name, URL, E-Mail Protocol, HTTP, WWW, Search Engine, Internet and Intranet, Extranet. Mobile Commerce: Internet Services through Mobile, Mobile Banking, WAP & WML, Mobile Information Devices, POS.
January	Online Payment Mechanism, Electronic Payment System, Payment Gateways, Risk Management Options for E-Payment Systems. Cryptography, Authentication, Data Encryption, Decryption, Public Key, Private Key, Digital Signature, E-check Certification, Plastic Money-Debit, Credit card and other Smart Cards, Digital Certification.
February	Threats in E-Commerce, Security of Client & Service provider. Security Issues over the Web. Firewalls, Cyber Law- IT ACT 2000. E-governance.
March	Exams


Principal
VAISH COLLEGE, BHIWANI

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Tanu

Paper- Computerized Accounting System

Class- Bcom3rd semester Session- 2021-22

Paper code – 19BC- 306

Month	Name of Topic
November	Computerized Accounting: Accounting Information System; Manual Accounting and Computerized Accounting: Difference b/w Manual and computerized Accounting; Advantages and Disadvantages of CAS. Sourcing of Accounting Software; Considerations before Sourcing Accounting software.
December	Accounting Packages: Ready to Use, Customized, Tailored; Choosing Accounting Packages: Various Accounting Software in Trend; Entry level software; ERP software.
January	Introduction to Tally: Creation of Company, Creation of Groups and Accounts, Designing and Creating Vouchers- Sales, Purchases, Sales return, Purchase Return, Contra, Journal and Practical.
February	Data Entry through Vouchers: Processing for Reports to prepare ledger Accounts, Trail Balance, Balance sheet and Practical with the help of workbook.
March	Exams

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor - Ms. Shivani

Paper - Corporate Law

Class - Bcom 4th semester Session - 2021-22

Paper code - 19 BC-402

Month	Name of Topic
April	Company: Meaning, Characteristics; Advantage and Disadvantage of Incorporation; Lifting of Corporate Veil: Private Company: Meaning, Characteristics, Advantages & Disadvantages of Private Company; Privileges of Private Company & Conversion of Pvt. Co. into Public Company & Vice-Versa; Types of Companies.
May	Promotion and Incorporation of Companies Memorandum of Association; Articles of Association; Share Capital, Members & Shareholders; Borrowing Powers.
June	Directors: Appointment & Powers: Legal Position of Directors; Shares and Stock; Share Certificate; Share Warrant. Company Meetings: Meanings, Importance & Types; Quorum & Voting Powers, Resolution & Minutes; Case Studies Regarding Company Meetings
July	Exam

Shivani
Principal

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Reshu

Paper-Marketing Management Class- Bcom4th semester Session – 2021-22

Paper code- 19BC-403

Month	Name of Topic
April	Introduction: Nature, Scope, Importance of marketing, Marketing concepts- Traditional and Modern 7P's of Marketing: Market Segmentation: Concept, Importance and basis of market segmentation; E- Marketing
May	Consumer Behavior: Nature, Scope, Importance, Factors affecting buyer behavior, Product Planning and Development: Importance and scope of Product Planning in marketing: Stages of New product development; Product Lifecycle: Stages of Product life cycle, factors affecting product life cycle.
June	Branding and Trademark: Difference between brand and trademark; Advantages and criticism of branding; types of branding: Brand Policies and Strategies Pricing: Meaning: Importance. Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies. Advertising: Concept; Importance and criticism of advertising: Media of advertising: Evaluating advertising effectiveness, Sales Promotion: Importance, Methods, Functions and Publicity.
July	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Preeti

Paper-Business Statistics Class-Bcom4th semesterSession – 2021-22

Paper code- 19BC-404

Month	Name of Topic
April	<p>Introduction of Statistics: Origin, Development. Definition, Scope, Uses and Limitations. Statistical Data: Types of Measurement scales-normal, Ordinal, Interval and Ratio level measurement;</p> <p>Collection, Classification and Tabulation of Primary and Secondary data.</p> <p>Presentation of data: Diagrammatic and Graphical presentation of Data-Bar, Squares, rectangular and Circular diagrams; Histogram, frequency polygon, Ogive, Stem and Leaf displays box plots . Central Tendency and Partition values, Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p> <p>Dispersion: Concept and Its absolute as well as relative measures. Index Numbers: Meaning, Types and Uses, Methods of Constructing price and Quantity indices(Simple and Aggregate); Tests of adequacy; Chain-base Index numbers, Base shifting. Splicing and Deflating; Problems in constructing index numbers; Consumer price index.</p>
May	<p>Analysis of Bivariate data: Correlation-concept, scatter diagram, Karl Pearson's co-efficient of Correlation and its properties. Spearman's rank Correlation, Concurrent deviation method.</p> <p>Regression: Meaning and Definition, Difference between Correlation and Regression, Principle of least squares and fitting of a line of best fit to the given data, Regression lines, Properties of regression Co- efficient and Regression lines, standard error of estimate, Co-efficient of determination.</p>
June	<p>Analysis of Time Series: Causes of Variations in time series data; Component of time series, Decomposition: Additive and Multiplicative models; determination of trend. Moving average method and method of least squares (Including linear second degree, Parabolic and exponential trend. Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and relative methods. Theory of Probability: Probability as a Concept, Approaches to defining probability. Addition and Multiplication laws of probability; Conditional probability, Baye's Theorem</p> <p>Probability Distribution: Probability distribution as a concept : Binomial, Poisson and normal distribution ; their Properties and parameters.</p>
July	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Preeti

Paper- Banking & Banking Law Class- Bcom4thsemesterSession -2021-22

Paper code- 19BC-405

Month	Name of Topic
April	Definition of Bank, Commercial Banks-importance, functions and problems of Non-Performing Assets, structure of Commercial Banking system in India. Credit Creation: Process of Credit Creation and its Limitations, E-Banking. Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy
May	Determination and Regulation of Interest Rates in India. Relationship between banker and Customer, Definition of Customer, General Relationship between banker and customer, obligation of banker, Garnishee order, banker's rights. Special types of Bankers Customers Minor, Married Women, Illiterate persons, Lunatics, Trustees, Executors and Administrators, Customer's attorney, Joint Account, Joint Hindu family, partnership Firm, Joint stock companies, Clubs, Societies and Charitable Institutions.
June	Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder in Due course. Rights and Liabilities of parties for Negotiable instruments: Capacity of parties: Minor's position, legal representative, Liability of parties, Drawer of Bill or Cheque, Liability of Maker of note & Acceptor of Bill, Liability of endorsed. Negotiable Instruments without Consideration, Instrument obtained by Unlawful means. Endorsements: Meaning of Negotiation, Definition of Endorsement, Legal provisions regarding Endorsement, General rules regarding forms of endorsement, regular forms of Endorsement, Kinds of endorsement
July	Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Reshu

Paper-Business Ethics Class-Bcom4th SemesterSession – 2021-22

Paper code- 19BC-406

Month	Name of Topic
April	Business Ethics: meaning, nature and importance in business organizations, Linkages of the Stakeholders relationships, social responsibility and corporate Governance.
May	Emerging business ethics: Issues and institutionalization of business ethics. Ethical decision-making and ethical leadership, Individual values and philosophies, Organizational factors: corporate values and cultures, ethical culture and relationships.
June	Implementing Business Ethics: Developing an effective ethical program, Implementing and auditing ethical program. Business ethics in global economy. Business Sustainability: Ethical and social responsibility dimensions. Understanding techniques of moral reasoning and argumentations
July	Exams

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Tanu

Paper- Statistical Analysis through Software Class- B.com 4th semester Session-2021-22

Paper code- 19BC- 407

Month	Name of Topic
April	SPSS: Introduction, Advantages and disadvantages, Data Entry. Data editor, view, variable view, Pivot table editor, Text Output editor, Chart editor Savings of Data: Variables, Types of Variables, Rules for Variables, Data analysis; Procedure, Variables selection for analysis, Runthe Procedure.
May	Procedures of Analysis: Descriptive Statistics. Custom Tables, General Linear Model (GLM), Correlation, Regression, Loonier, Classify, Data reduction, Scale, Time Series, Auto correlation, Cross Correlation,
June	Procedures of Analysis: Spectral, Survival, Bar, Line, Area, Pie, Boxplot, Pareto, Control, Normal PP Plots. Normal QQ Plots, Sequences, Reports
July	Exam

VAISH COLLEGE, BHIWANI
LESSON PLAN PERFORMA

Name of Assistant professor- Dr.Satbir

Paper- Corporate Accounting Part 1 and 2

Class – B.com 3th& 4th semester Session – 2022-2023

Paper code-19BC-301 and 19BC-401

Month	Name of Topic
September	Understanding of accounting standard (ICAI), Share Capital: meaning, types, Accounting Treatment of issue, forfeiture and reissue of shares, Buy back of equity shares & sweat shares, Redemption of preference shares, Issue of bonus share.
October	Debenture: Meaning , types, issue and redemption of debenture
November	Valuation of goodwill: meaning, objectives, determinates and main methods.
December	Valuation of shares: meaning, objectives, determinates and main methods. Profits or loss before and after incorporation. Final accounts of companies.
January	Revision
February	Examination
March	Provision of accounting standard: 14 (ICAI): Internal Reconstruction , External reconstruction in the nature of merger and purchase.
April	Provision of accounting standard :21 (ICAI) : Accounts of holding company , consolidated balance sheet
May	Final accounts of banking companies, liquidation of a company, financial reporting for financial institution, understanding of IFRS
June	Examination

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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Poonam

Paper – Business Regulatory Framework

Class- Bcom-3rd semester Session – 2022-2023

Paper code- 19BC-302

Month	Name of Topic
September	Indian Contract Act- Valid contract and its elements; Proposal, Acceptance and Revocation; Contractual capacity of parties; Free consent of parties
October	Lawful consideration and object, Performance and Discharge of contracts; Contingent contracts Quasi Contracts and consequences of breach of contract Contract of Bailment; Bailment and Pledge, Contract of Indemnity and Guarantee Contract of Agency: Principal-Agent Relationship
November	Consumer Protection Act: Rights of consumers, Consumer Protection councils, Consumer Disputes Redressal machinery
December	Sales of Goods Act- Introduction, Transfer of Property or Ownership. Conditions and Warranties; Performance of Contract: Delivery and Payment, Rights of Unpaid Seller, Suits for Breach of Contract.
January	RTI Act: Salient features, Rights and Importance; RTI Act: Procedure E-Governance: Definition, Objectives, Participatory system, Components, E-Governance Services, basic understanding of the new labor rules in India and Haryana right to service act.
February	Examination

LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Rinku

Paper-Human resource Management

Class- B.com 3rd semester Session-2022-2023

Paper code- 19BC-303

Month	Name of Topic
September	An Introduction to Human Resource Management Definition, Importance objectives and scope of Human Resource Management (HRM). Functions of Human Resource Management: Managerial and Operative Functions Qualification and Qualities of Human Resource manager in an organization. Evolution and Growth of Human Recourse Management (HRM) in India, Emerging Challenges of HRM-work force diversity, downsizing, work life balance etc.
October	Recruitment Selection and Training, Recruitment: Meaning, steps in recruitment policy, sources and modes of recruitment, Factors affecting recruitment. Selection: Meaning, Essentials of Selection Procedure, Stages in Selection Procedure. Training: Concept, Need and importance of Training. Methods of Training: On the job Training , off the job Training. Principles of training. Evaluation off training Program in India. Job analysis, Job Description and Job specification.
November	Wage and Wage Incentives, Wages: Meaning, Objective and Theories of wages, Methods of wage Payment: Time wages and Piece wages methods. Concept of wages: Fair, Minimum and Living wage. Factors determining wage Structure of an organization, Essentials of satisfactory wage policy
December	Wage Incentives: Concept, Need and Importance of Incentives Special Incentives, Essentials of Ideal Incentives system. Industrial Relations: Concept. Importance and Objectives of industrial relations, Contents of industrial relations Participants of Industrial relation and Recruitment of good Industrial relation Program.
January	Industrial Unrest: Meaning, Forms and Causes of industrial disputes, Impact of Industrial unrest on the Economy, preventive and curative methods and Agencies for Reconciliation of Industrial unrest. Labor courts for disputes in India. Basic Understanding of Legal framework for the Empowerment of the Workers
February	Examination

Name of Assistant Professor / Associate Professor- Ms. Shivani

Paper- Environmental Science Class- B.com 3rd semester Session- 2022-2023

Paper code- 19BC-304

Month	Name of Topic
September	Multidisciplinary nature of environmental studies: Definition, scope and importance Need for public awareness; Renewable and non-renewable resources: Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.
October	Ecosystems Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.
November	Environmental Pollution: Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Role of an individual in prevention of pollution. Disaster Management: floods, earthquake, cyclone and landslides.
December	Social Issues and Environment From Unsustainable to Sustainable development, Water conservation, rain water harvesting, watershed management. Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion. Human Population and Environment: Population growth, Environment and human health, Role of Information Technology in Environment and human health.
January	Revision
February	Examination

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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shivani

Paper-E-commerce Class-B.com 3rd semester Session-2022-2023

Paper code- 19BC-305

Month	Name of Topic
September	Introduction to E-Commerce, E-Commerce Models B2B, B2C, C2B, G2C. Applications of E- Commerce: Service Industry, Retail Sector, Financial services, Travel & Tourism. Future of E- Commerce. Online Shopping: Web Portals.
October	Introduction of Internet: Networking, Network Topologies, TCP/IP, IP Address, Domain Name, URL, E-Mail Protocol, HTTP, WWW, Search Engine, Internet and Intranet, Extranet. Mobile Commerce: Internet Services through Mobile, Mobile Banking, WAP & WML, Mobile Information Devices, POS.
November	Online Payment Mechanism, Electronic Payment System, Payment Gateways, Risk Management Options for E-Payment Systems. Cryptography, Authentication, Data Encryption, Decryption, Public Key, Private Key, Digital Signature, E-check Certification, Plastic Money-Debit, Credit card and other Smart Cards, Digital Certification.
December	Threats in E-Commerce, Security of Client & Service provider. Security Issues over the Web. Firewalls, Cyber Law- IT ACT 2000. E-governance.
January	Revision
February	Examination


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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Tanu

Paper- Computerized Accounting System

Class- B.com3rd semester Session- 2022-2023.

Paper code-19BC-306

Month	Name of Topic
September	Computerized Accounting: Accounting Information System; Manual Accounting and Computerized Accounting: Difference b/w Manual and computerized Accounting; Advantages and Disadvantages of CAS. Sourcing of Accounting Software; Considerations before Sourcing Accounting software.
October	Accounting Packages: Ready to Use, Customized, Tailored; Choosing Accounting Packages: Various Accounting Software in Trend; Entry level software; ERP software.
November	Introduction to Tally: Creation of Company, Creation of Groups and Accounts, Designing and Creating Vouchers- Sales, Purchases, Sales return, Purchase Return, Contra, Journal and Practical.
December	Data Entry through Vouchers: Processing for Reports to prepare ledger Accounts, Trail Balance, Balance sheet and Practical with the help of workbook.
January	Revision
February	Examination

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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Mr. Saurabh

Paper-Corporate Law

Class-Bcom4th semester Session -2022-2023

Paper code- 19BC-402

Month	Name of Topic
March	Company: Meaning, Characteristics; Advantage and Disadvantage of Incorporation; Lifting of Corporate Veil: Private Company: Meaning, Characteristics, Advantages & Disadvantages of Private Company; Privileges of Private Company & Conversion of Pvt. Co. into Public Company & Vice- Versa; Types of Companies.
April	Promotion and Incorporation of Companies Memorandum of Association; Articles of Association; Share Capital, Members & Shareholders; Borrowing Powers.
May	Directors: Appointment & Powers: Legal Position of Directors; Shares and Stock; Share Certificate; Share Warrant. Company Meetings: Meanings, Importance & Types; Quorum & Voting Powers, Resolution & Minutes; Case Studies Regarding Company Meetings
June	Exam

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Saurabh
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Name of Assistant Professor / Associate Professor- Ms. Rinku

Paper-Marketing Management Class- Bcom4th semester Session – 2022-2023

Paper code- 19BC-403

Month	Name of Topic
March	Introduction: Nature, Scope, Importance of marketing, Marketing concepts- Traditional and Modern 7P's of Marketing: Market Segmentation: Concept, Importance and basis of market segmentation; E- Marketing
April	Consumer Behavior: Nature, Scope, Importance, Factors affecting buyer behavior, Product Planning and Development: Importance and scope of Product Planning in marketing: Stages of New product development; Product Lifecycle: Stages of Product life cycle, factors affecting product life cycle.
May	Branding and Trademark: Difference between brand and trademark; Advantages and criticism of branding; types of branding; Brand Polices and Strategies Pricing: Meaning: Importance, Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies. Advertising: Concept; Importance and criticism of advertising: Media of advertising: Evaluating advertising effectiveness, Sales Promotion: Importance, Methods, Functions and Publicity.
June	Exams

Name of Assistant Professor / Associate Professor- Mr. Saurabh

Paper-Business Statistics

Class-Bcom4th semester

Session – 2022-2023

Paper code- 19BC-404

Month	Name of Topic
March	<p>Introduction of Statistics: Origin, Development. Definition, Scope, Uses and Limitations. Statistical Data: Types of Measurement scales-normal, Ordinal, Interval and Ratio level measurement; Collection, Classification and Tabulation of Primary and Secondary data. Presentation of data: Diagrammatic and Graphical presentation of Data-Bar, Squares, rectangular and Circular diagrams; Histogram, frequency polygon, Ogive, Stem and Leaf displays box plots . Central Tendency and Partition values, Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p> <p>Dispersion: Concept and Its absolute as well as relative measures. Index Numbers: Meaning, Types and Uses, Methods of Constructing price and Quantity indices(Simple and Aggregate); Tests of adequacy; Chain-base Index numbers, Base shifting. Splicing and Deflating; Problems in constructing index numbers; Consumer price index.</p>
April	<p>Analysis of Bivariate data: Correlation-concept, scatter diagram, Karl Pearson's co-efficient of Correlation and its properties. Spearman's rank Correlation, Concurrent deviation method.</p> <p>Regression: Meaning and Definition, Difference between Correlation and Regression, Principle of least squares and fitting of a line of best fit to the given data, Regression lines, Properties of regression Co- efficient and Regression lines, standard error of estimate, Co-efficient of determination.</p>
May	<p>Analysis of Time Series: Causes of Variations in time series data; Component of time series, Decomposition: Additive and Multiplicative models; determination of trend. Moving average method and method of least squares (Including linear second degree, Parabolic and exponential trend. Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and relative methods. Theory of Probability: Probability as a Concept, Approaches to defining probability. Addition and Multiplication laws of probability; Conditional probability, Baye's Theorem Probability Distribution: Probability Distribution as a concept , binomial, poisson and normal distribution;their Properties and parameters</p>
June	Exams

VAISH COLLEGE, BHIWANI
 LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shivani

Paper- Banking & Banking Law

Class- B.com4thsemesterSession -2022-2023

Paper code- 19BC-405

Month	Name of Topic
March	Definition of Bank, Commercial Banks-importance, functions and problems of Non-Performing Assets, structure of Commercial Banking system in India. Credit Creation: Process of Credit Creation and its Limitations, E-Banking.Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy
April	Determination and Regulation of Interest Rates in India. Relationship between banker and Customer, Definition of Customer, General Relationship between banker and customer, obligation of banker, Garnishee order, banker's rights. Special types of Bankers Customers Minor, Married Women, Illiterate persons, Lunatics, Trustees, Executors and Administrators, Customer's attorney, Joint Account, Joint Hindu family, partnership Firm, Joint stock companies, Clubs, Societies and Charitable Institutions.
May	Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder in Due course. Rights and Liabilities of parties for Negotiable instruments: Capacity of parties: Minor's position, legal representative, Liability of parties, Drawer of Bill or Cheque, Liability of Maker of note & Acceptor of Bill, Liability of endorsed. Negotiable Instruments without Consideration, Instrument obtained by Unlawful means. Endorsements: Meaning of Negotiation, Definition of Endorsement, Legal provisions regarding Endorsement, General rules regarding forms of endorsement, regular forms of Endorsement, Kinds of endorsement
June	Exam

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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Shivani

Paper-Business Ethics Class-Bcom4th Semester Session – 2022-2023

Paper code- 19BC-406

Month	Name of Topic
March	Business Ethics: meaning, nature and importance in business organizations, Linkages of the Stakeholders relationships, social responsibility and corporate Governance.
April	Emerging business ethics: Issues and institutionalization of business ethics. Ethical decision-making and ethical leadership, Individual values and philosophies, Organizational factors: corporate values and cultures, ethical culture and relationships.
May	Implementing Business Ethics: Developing an effective ethical program, Implementing and auditing ethical program. Business ethics in global economy. Business Sustainability: Ethical and social responsibility dimensions.
June	Understanding techniques of moral reasoning and argumentations Exams

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LESSON PLAN PERFORMA

Name of Assistant Professor / Associate Professor- Ms. Tanu

Paper- Statistical Analysis through Software Class- Bcom 4th semester Session-2022-2023

Paper code- 19BC-407

Month	Name of Topic
March	SPSS: Introduction, Advantages and disadvantages, Data Entry. Data editor, view, variable view, Pivot table editor, Text Output editor, Chart editor Savings of Data: Variables, Types of Variables, Rules for Variables, Data analysis; Procedure, Variables selection for analysis, Run the Procedure.
April	Procedures of Analysis: Descriptive Statistics. Custom Tables, General Linear Model (GLM), Correlation, Regression, Logistic, Classify, Data reduction, Scale, Time Series, Auto correlation, Cross Correlation,
May	Procedures of Analysis: Spectral, Survival, Bar, Line, Area, Pie, Boxplot, Pareto, Control, Normal PP Plots. Normal QQ Plots, Sequences, Reports
June	Exam


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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Satbir

Paper with code: Financial accounting I/II(19110101/201)

Class B.com 1year

Session 2019-2020

Month	Name of Topic
SEMESTER-1	
August	Introduction: Meaning, Objectives, Process, Limitations and basic terms of Accounting, Users of Accounting information; Qualitative characteristics of Accounting information; Generally Accepted Accounting Principles (GAAP) Financial Accounting Standards: Concepts, Benefits, Procedures for issuing accounting standards in India; International Financial Reporting Standards (IFRS): - Need and Procedures, Convergence to IFRS.
September	Capital and Revenue items; Reserves and Provisions: Meaning, Difference between Reserves and Provisions, Categories of Provisions- Provision for Bad Debts, Provision for Depreciation, Provision for Tax, Categories of Reserves- Capital Reserve and Revenue Reserve. Depreciation: - Meaning, Causes, Accounting procedure, Methods of computing depreciation: - Straight line method, Diminishing balance method and change of method (Practical Problems)
October	Rectifications of Errors: Meaning and Types of Errors, Errors not Affecting the Trial Balance, Errors Affecting the Trial Balance, Suspense Account, Rectification of Errors in the Next Accounting Year, (Practical Problems). Final Accounts with Adjustments: Meaning, Objectives, Manufacturing Account, Trading Account, Profit and Loss Account, Balance Sheet, Various Adjustment Entries in Final Accounts (Practical Problems)
November	Accounting for Non-Profit Organizations: Meaning, Characteristics, Final Accounts- Receipts and Payment Account, Income and Expenditure Account and Balance Sheet (Practical Problems) Consignment Accounts: Meaning, Accounting Treatment in the Books of Consignor and Consignee (Practical Problems)
December	Revision and Examination
SEMESTER-2	
January	Dissolution of Partnership firm-Insolvency of Partners (including Garner v/s Murrey Rule), Amalgamation and Sale of Partnership firms, Gradual Realization and Piecemeal Distribution.

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February	Hire Purchase System and Installment Payment Systems: Accounting for Hire Purchase Transactions, Journal entries and ledger accounts in the books of Hire Vendors and Hire purchaser for large value items including default and repossession, stock and debtor system. Joint Ventures: Joint Venture: Accounting procedures. Joint Bank Account, Records Maintained by Co-venturer of (a) all transactions (b) only his own transactions, Memorandum joint venture account.
March	Royalty Account: Meaning, Types of Royalties, Basis of Royalty, Accounting Entries. Branch Account: Meaning, Methods- Debtor System, Income Statement System, Stock and Debtor, Final Account System, Pros and Cons of Branch Accounting, Accounting Treatment.
April	Insolvency Accounts for Non Corporate Entities: Defining Insolvency, Statement of Affairs as on date of order Treatment
May	Difference between Balance Sheet Statement of Affairs and Accounting and Revision
June	Examinations

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Dr. Monika Mittal

Paper with Code: Business Economics (19BC103)

Class B.com 1 year

Session: 2019-2020

Month	Name of Topic
SEMESTER-1	
August	Introduction: Basic problem of an economy: working of price mechanism, Law of Demand, Elasticity of demand; measurement, importance, determinants of elasticity of demand, Average revenue; marginal revenue and elasticity of demand and elasticity of supply
September	Production Function: Law of variable proportions; Isoquants; Economic regions and optimum factor combination; expansion path; returns to scale; Internal and external economies and diseconomies; Ridge lines; Theory of costs: concepts of cost; Short run and Long run cost curves- Traditional and Modern approaches.
October	Ordinal Utility theory: (Indifference curve approach): Consumer's preferences; Indifference curves; Budget line; Consumer's equilibrium; Income and substitution effect; Price consumption curve and the derivation of demand curve for a commodity; Criticisms of the law of demand.
November	Cardinal Utility Analysis: Defining Utility-Total Utility, Marginal Utility, Law of Diminishing Marginal Utility and Law of Equi-marginal Utility, Consumer Equilibrium. Market, classification and structure: Price and Output Determination under Perfect Competition, Monopoly. Price and Output Determination under Monopolistic Competition and Oligopoly
December	Revision and examination

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Saurabh

Paper with Code: Indian Economy and Business Environment(19BC202)

Class B.com 1year

Session: 2019-2020

Month	Name of Topic
	SEMESTER-2
January	Introduction to Business Environment: Meaning, Elements, Importance of Business Environment, Current Indian Business Environment Environmental Analysis: Objectives, Process, Environmental Limitations, SWOT / SWOC, ETOP Analysis with special reference to Indian Industry.
February	Dimensions of Business Environment: National Institution for Transforming India (NITI Aayog), Economic Environment. Balance of Trade & Balance of Payment: Definition, Difference between Balance of Trade & Balance of Payment, Uses, Components
March	Problems of Growth: Unemployment, Inflation, Industrial Sickness Regional Imbalances Industrial Policy: Meaning, Objectives, History, Industrial Policy for the Growth of Industries (latest) Economic Policies: Monetary Policy, Fiscal Policy, Liberalization, Privatisation & Globalization International Economic Institutions
April	International Monetary Fund
May	World Trade Organisation, World Bank and revision
June	Exams and summer break

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Amita

Paper with Code: English(19BC104)

Class B.com 1year

Session: 2019-2020

Month	Name of Topic
SEMESTER-I	
August	A. Prose writings: i. "The Homecoming" by Rabindranath Tagore ii. "Playing the English Gentleman" by M.K. Gandhi iii. "Prospects of Democracy in India" by Dr. B.R. Ambedkar A. Poems: i. "The Village Schoolmaster" by Oliver Goldsmith ii. "If" by Rudyard Kipling iii. "My Grandmother's House" by Kamala Das
September	Parts of speech: Nouns, Pronouns, Adjectives, Articles, Verbs, Adverbs, Prepositions, Conjunction, Interjection, Identifying parts of speech, Structures: Verb patterns, Question tags; Subject – Verb agreement (concord)
October	Conversational English: Casual Conversations, Understanding Communication, Greeting and Introducing, Making Requests, Asking for and Giving Permission, Offering Help, Giving Instructions and Directions, Art of Small Talk, Participating in Conversations Speech and Oration: Making a Short Formal Speech, Describing People, Places, Events and Things.
November	Listening: Barriers to Listening, Academic Listening, Listening to Talks and Descriptions, Listening to Announcements, Listening to News on the Radio and Television Listening Basic grammatical concepts and common errors: Tenses, Modals, Passive Voice, Prepositions, Punctuation, Relative Clause, Reported speech, Speech acts, Tags
December	Revision and examination

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Amita

Paper with Code: Business Communication Skills (19BC205)

Class B.com 1year

Session: 2019-2020

Month	Name of Topic
	SEMESTER-2
January	Business Communication Skills: Introduction: Basics of communication, Seven C's of effective communication, barriers to communication, ethical context of communication.
February	Business Communication at workplace: Letter writing- component, layout and process, Email communication, bad news messages, persuasive written communication, memos, notice, agenda and minutes of meeting.
March	Report Writing: Types of business reports, structure of reports, short reports, long reports, abstracts and summaries, proposals.
April	Communication Skills: Reading skills, listening skills, note making, persuasive speaking.
May	Body language, Gestures and Revision
June	Exams and summer break

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Neha

Paper with Code: Fundamentals of Computer(19BC105)

Class B.com 1year

Session: 2019-2020

Month	Name of Topic
SEMESTER-1	
August	Introduction of Computers: Organisation, Characteristics, Types of Computers, types of Memories, Hardware and Software Concepts. Mail Merge. MS- Excel: Introduction to Spread Sheet, Creating, Editing, Printing, Formatting of Worksheets, Preparation of Graphs
September	Operating System: Introduction of OS, Types of OS, Functions of OS, MS-DOS Internal Commands: chdir, cls, path, prompt, label, ver, bol, echo, set. External Commands: scandisk, discopy, diskcomp, format, backup, restore. Windows Windows Explorer, Print Manager, Control Panel, Paint Brush. Dialog box: Text box, Check box, slide boxes, Desktop
October	MS-Office (Word and Excel): Introduction of Word Processing, MS-Word; Creating, Editing, Printing, Page Formatting, Sorting and Tables
November	Data Communication and Networks: Data Communication Concept, Medias, Modes, Multiplexers. Networking; Need, Types of Network, Distributed Networking, Client- Server Concepts, OSI Models
December	Revision and examination