

**VAISH COLLEGE, BHIWANI****LESSON PLAN PERFORMA****Name of Assistant/Associate Professor Dr. Pawan Kumar Gupta****Paper with Code: Financial Accounting(19BC-101 & 102)****Class: B.com 1st Sem. & 2nd Sem (Session 2020-21)**

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

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Apoorva

Paper with Code 19 BC 102 BUSINESS MANAGMENT Class B.COM 1 Session 2020-21

Month	Name of Topic
July	
August	
September	
October	Controlling: Concept, Process and Techniques. Management by Objectives, Management of Change: Resistance to Change and Strategies to manage change.
November	Business- Concept, Nature and Spectrum of Business Activities. Basic Considerations in Setting up a Business Enterprise. Management: Introduction, Process, Development of Management Thoughts, Contribution of Taylor and Henry Fayol in Management
December	Planning: Objectives, Strategies and Planning process. Organizing: concept, Organizational Structure and Process. Staffing: concept and Scope. Recruitment and Selection.
January	Directing: Leadership concept and Style, Theories: - Trait theory, Style & Behavior theory, Contingency theory. Motivation: - Concept, Theories: - ERG theory, Reinforcement theory, Expectancy theory. Decision Making
February	Controlling: Concept, Process and Techniques. Management by Objectives, Management of Change: Resistance to Change and Strategies to manage change.
March	
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms Kalpane

Paper with Code 19 BC 205 Class B.COM 1 Session 2020-21

Business Communication

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	Introduction: Basics of communication, Seven C's of effective communication, barriers to communication, ethical context of communication. Business Communication at workplace: Letter writing- component, layout and process, E- mail communication.
May	bad news messages, persuasive written communication, memos, notice, agenda and minutes of meeting. Report Writing: Types of business reports, structure of reports, short reports, long reports, abstracts and summaries, proposals.
June	Controlling: Concept, Process and Techniques. Management by Objectives, Management of Change: Resistance to Change and Strategies to manage change.

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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor - *Dr. Pawan Kumar Gupta*

Paper with Code **19 BC 301**

Class **b.com-II** Session

**2020-2021**

*Corporate Accounting*

Month	Name of Topic
July	
August	
September	
October	
November	Understanding of Accounting Standards (ICAI), Share Capital: Meaning, Types, Accounting Treatment of Issue, Forfeiture and Reissue of Shares; Buy back of equity shares & Sweat shares; Redemption of preference share; Issue of Bonus Share.
December	Debenture: Meaning, Types, Issue and Redemption of Debentures.
Januaary	Valuation of Goodwill: Meaning, objectives, determinates and main methods. Valuation of Shares: Meaning, objectives, determinates and main methods.
February	Profit or Loss before and after incorporation. Final accounts of companies.
March	
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Dr. Abhinav Vatsistha*

Paper with Code 19 BC 302

Class b.com-II

Session

2020-2021

*Business Regulatory Frameworks*

Month	Name of Topic
July	
August	
September	
October	
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 Labour Rules in India and Haryana Right to Service Act
March	
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Ms. Apoorva

Paper with Code 19 BC 303

Class b.com-II

Session

2020-2021

Human Resource Management

Month	Name of Topic
July	
August	
September	
October	
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 Programme in India. Job analysis, Job Description and Job specification.
Januaary	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.
February	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. Labour courts for disputes in India. Basic Understanding of Legal framework for the Empowerment of the Workers
March	
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Ms. Kalpana*

Paper with Code 19 BC 304

Class b.com-II

Session

2020-2021

*Environmental Studies*

Month	Name of Topic
July	
August	
September	
October	
November	<p>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.</p>
December	<p>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.</p>
January	<p>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.</p>
February	<p>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.</p>
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Mr. Sushil*

Paper with Code **19 BC 305**

Class **b.com-II**

Session

**2020-2021**

*E- Commerce*

Month	Name of Topic
July	
August	
September	
October	
November	Introduction to E-Commerce, E-Commerce Models- B2B, B2C, C2B, G2C. Applications of ECommerce: Service Industry, Retail Sector, Financial services, Travel & Tourism. Future of ECommerce. 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	
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June	

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - Ms. Kalpana

Paper with Code 19 BC 306

Class b.com-II

Session

2020-2021

*Computer A/cing System*

Month	Name of Topic
July	
August	
September	
October	
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
Januaary	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 though Vouchers: Processing for Reports to prepare ledger Accounts, Trail Balance, Balance sheet and Practical with the help of workbook.
March	
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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor - *Dr. Pawan Kumar Gupta*

Paper with Code **19 BC 401**

Class **b.com-II** Session

2020-2021

*Corporate Accounting*

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	Provisions of Accounting Standard: 14 (ICAD): Internal Reconstruction: External Reconstruction in the nature of merger and purchase. (Simple problems only)
May	Provisions of Accounting Standard: 21 (ICAD): Accounts of Holding Companies, Consolidated Balance Sheet (Simple problems only); Final Accounts of Banking Companies.
June	Liquidation of a company: Financial reporting for financial institutions. Understanding of International Financial Reporting Standards (IFRS).

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Dr. Abhinav Vashishtha*

Paper with Code 19 BC 402

Class b.com-II Session

2020-2021

*Corporate Law*

Month	Name of Topic
July	
August	
September	
October	
November	
December	
Januaary	
February	
March	
April	Lifting of Corporate Veil; Private Company: Meaning, Characteristics, Advantages & Disadvantages of Private Company; Privileges of Private Company & Conversion of Pvt. Co. into Public Company & ViceVersa; Types of Companies. 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.
June	Company Meetings: Meanings, Importance & Types; Quorum & Voting Powers; Resolution & Minutes; Case Studies Regarding Company Meetings.

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Dr. Abhinav Vasuki'shka*

2020-2021

Paper with Code **19 BC 403**

Class **b-com-II** Session

*Marketing Management*

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	<p>Introduction: - Nature, Scope, Importance of marketing; Marketing concepts- Traditional and Modern 7Ps of Marketing; Market Segmentation: - Concept, Importance and basis of market segmentation; Emarketing Consumer Behavior; Nature, Scope, Importance, Factors affecting buyer behavior; Product Planning and Development; Importance and scope of Product Planning in marketing</p>
May	<p>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; Brand Polices and Strategies; Pricing: - Meaning; Importance, Factors affecting pricing, pricing objectives, Types of price policy and pricing strategies</p>
June	<p>Advertising: Concept; Importance and criticism of advertising; Media of advertising; Evaluating advertising effectiveness; Sales Promotion; Importance, Methods, Functions and Publicity.</p>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *M<sub>3</sub>. Kalpana*

Paper with Code **19 BC 404**

Class **b.com-II** Session

2020-2021

*Evaluation Statistics*

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
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, Ogives, Stem and Leaf displays box plots. Central Tendency and Partition values: Concept and Measures of Central tendency, Quartiles, Deciles, Percentiles.</p>
May	<p>Dispersion: Concept and Its absolute as well as relative measures.</p> <p>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. 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>
June	<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 Coefficient and Regression lines, standard error of estimate, Co-efficient of determination.</p> <p>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.</p>



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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Ms. Kalpana*

Paper with Code **19 BC 405**

Class **b.com-II**

Session

2020-2021

*Banking and Banking Law*

Month	Name of Topic
July	
August	
September	
October	
November	
December	
Januaary	
February	
March	
April	<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, E-Banking. Regional Rural Banks, Cooperative Banking in India. Reserve bank of India: Functions, regulation and control of credit, monetary policy.</p>
May	<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>
June	<p>Negotiable Instruments: Definition of Negotiable instruments, Essential features of Negotiable instruments, holder and Holder inDue 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 &amp; 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>

  
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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor - *Ms. Apoorva*

Paper with Code **19 BC 406**

Class **b.com-II** Session

**2020-2021**

*Business Ethics*

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

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor - *Dr. Pooja Kumari Gupta*  
Paper with Code 19 BC 407 Class **b.com-II** Session **2020-2021**

Month	Name of Topic
July	
August	
September	
October	
November	
December	
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February	
March	
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, 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

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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 2020-21)

Name of Topic

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

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Abhinav Vasthishtha  
 Paper with Code\_ Cost Accounting (5.02) Class\_ B.Com (5th Sem)\_Session\_2020-21

Month	Name of Topic
July	
August	
September	
October	
November	Cost Accounting : Meaning, Features, Scope, Techniques, Methods, Objectives, Importance and Limitations. Costing; cost accountancy; cost centres and profit centres, Difference and similarities of cost accounting system with financial accounting system. Cost: main elements and types.
December	Material Control: Meaning and objectives of material control, material purchase procedure, fixation of inventory levels- reorder level, Minimum level, Maximum level, Danger level. EOQ 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.
January	Overheads : Meaning and Types. Collection, Classification; Allocation, Apportionment and Absorption of Overheads- Main methods.
February	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.
March	
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June	


  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Dr. Pawan Kumar Gupta**

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

Class: **B.com 5th Sem. & 6th Sem (Session 2020-21)**

Name of Topic

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

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mx. Kalpana

Paper with Code Financial Market Operations (5.04) Class\_B.Com (5th Sem)\_Session\_2020-21

Month	Name of Topic
July	
August	
September	
October	
November	Money Market: Indian Money Markets Composition and Structure: (a) Acceptance houses (b) Discount houses and (c) Call money market; Recent trends in Indian money market. Capital Market : Security market- (a) New Issue Market (b) Secondary market; functions and role of stock exchange listing, procedure and legal requirements Public issue pricing and marketing.
December	Stock exchange- National Stock Exchange and over the Counter exchangers, SEBI- Introduction, Role, Its powers, Objectives, Scope & Functions. Investors Protection:- Grievances concerning stock exchange and dealings and their removal; grievance cell in stock exchange SEBI: Company law Board: Press remedy through courts.
January	Functionaries on stock exchanges:- Brokers, Sub brokers, Market makers, Jobbers, Portfolio Consultants, Institutional Investors, Depository. Financial Services:- Merchant Banking- Functions and Roles; SEBI guidelines; credit rating concept, functions, and types.
February	Role, Policy measures relating to Development Financial Institution in India. Products & Services offered by IFCI, IDBI, IIBI, SIDBI, IDFC, EXIM, NABARD & ICICI. Meaning and benefits of mutual funds, types, SEBI guidelines
March	
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code Entrepreneurship and small scale business (503) Class\_B.Com (5th Sem)\_Session\_2020-21  
(5-03)

Month	Name of Topic
July	
August	
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October	
November	<p>Entrepreneur-Entrepreneurship-Enterprise: Conceptual issues. Entrepreneurship vs. Management. Roles and functions of entrepreneurs in relation to the enterprise and in relation to the economy. Entrepreneurship as a interactive process between the individual and the environment. Small business as the seedbed of entrepreneurship.( The teachers should emphasize to students the desirability as well as feasibility of a career in entrepreneurship in the Indian scenario.) Entrepreneurial competencies. Entrepreneurial motivation, performance and rewards. (The teachers may make use of Entrepreneurship Development Institute of India's Inventory of Entrepreneurial Competencies and National Institute of Entrepreneurship and Small Business Development's training kit for arousing entrepreneurial motivation and capacity and capability building).</p>
December	<p>Opportunity scouting and idea generation: role of creativity &amp; innovation and business research. 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. (The students be advised to visit various product/service franchisees, BPO concerns and meet up/down links in the Network Marketing.) The process of setting up a small business: preliminary screening and aspects of the detailed study of the feasibility of the business idea and financing/non-financing support agencies to familiarize themselves with the policies/programmes and procedures and the available schemes.) Preparation of Project Report and Report on Experiential Learning of successful/unsuccessful entrepreneurs. (The students may be advised to develop a structured instrument (questionnaire) for conducting survey of the various aspects of entrepreneurs/enterprise. They may also be advised to prepare a comprehensive business plan. The desirability and feasibility of liaison with relevant funding/non-funding agencies may also be explored.)</p>
January	<p>Managerial roles and functions in a small business. Designing and redesigning business processes, location, layout, operations planning &amp; 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 &amp; mergers, integration &amp; diversification. Crises in business growth.</p>
February	<p>Issues in small business marketing. The concept and application of product life cycle (etc), advertising &amp; publicity, sales &amp; 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 &amp; Monetary Incentives. National, state level and grass-root level financial and nonfinancial institutions in support of small business development</p>
March	
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code International Business Environment (5.06 (iv)) Class\_B.Com (5th Sem)\_Session\_2020-21

Month	Name of Topic
July	
August	
September	
October	
November	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.
December	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.
January	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.
February	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.
March	
April	
May	
June	

  
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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor Dr. Abhinav Vashishtha  
Paper with Code\_Cost Accounting (6.02) Class\_B.Com (5th Sem)\_Session\_2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	Process Costing : Meaning; Uses; Preparation of process account, Treatment of Normal Wastage, Abnormal Wastage, Abnormal Effectiveness; 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.
May	Contract Costing- meaning, main features, preparation of contract account, Escalation clause; contract near completion; cost plus contract, Job and batch costing, 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.
June	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

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Apoorva

Paper with Code\_Auditing (6.04) Class\_B.Com (6th Sem)\_Session\_2020-21

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

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Kalyani

Topic with date first and last class (6.05) till last D.C. no (6th sem) Session 2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	<p><b>Introduction:</b> Salient features 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.</p>
May	<p><b>Place of Supply:</b> Within state/Union territory, Interstate, Import and export; <b>Time of Supply</b> of goods and services, Value of supply including valuation rules; <b>Input tax credit:</b> 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.</p>
June	<p><b>Registration, Issue of Invoices:</b> 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; Provisions of ITCS and ITCS; Record keeping, Assessment and Audit; Customs Act 1962, Customs duty: Important definitions, types, importance, documents required for import and export procedure; Export Promotion Scheme.</p>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Abhinav Vashishtha

Paper with Code International Marketing (6.06 (ii)) Class\_B.Com (6th Sem)\_Session\_2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	International Marketing: Nature and Concept; Domestic Vs International Marketing; Opportunities and Challenges for marketing in International Environment ; Foreign market selection and entry modes.
May	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.  International Distribution: Channel structure and selection decisions; Managing channel conflicts; Selection and appointment of foreign sales agents; Basic export procedure and documentation, Product Promotion: Methods of International product Promotion; challenges in International advertising and media strategy; Web marketing; Organising trade fairs and exhibitions
June	

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 201 & PHY 202 Class: B.Sc 2<sup>nd</sup> Sem. Session: 2020-21

Month	Topic
April	Properties of Matter : Elasticity, Hooke's law, Elastic constants and their relations, Poisson's ratio, tonios 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
May	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
June	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,
July	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 <b>Revision</b>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: ..... MADHU RANI .....

Paper with Code: PHY 501 & PHY 502 Class: B.Sc. 5<sup>th</sup> Sem Session: 2020-21 .....

Month	Name of Topic
Nov.	Crystalline and glassy forms, liquid crystal. Crystal structure, periodicity, lattice and basis crystal translational vectors and axes. Unit cell and primitive cell, Wigner 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.
Dec.	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 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.
Jan.	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.
Feb. + March	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 <b>Revision</b>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MADHU RANI

Paper with Code: PHY 601 & PHY 602 Class: B.Sc 6<sup>th</sup> Sem Session: 2020-21

Month	Name of Topic
April	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 <sub>1</sub> and D <sub>2</sub> lines of Na-atom, Paschen Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom..
May	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
June	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.
July Nov	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 <b>Revision</b>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR

Paper with Code: PHY 101 & PHY 102 Class: B.Sc 1<sup>st</sup> Sem. Session: 2020-21

Month	Name of Topic
November	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.
December	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.
January	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.
Feb + March	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 <b>Revision</b>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR

Paper with Code: PHY 201 & PHY 202 Class: B.Sc 2<sup>nd</sup> Sem. Session: 2020-21

Month	Topic
<p>July April</p>	<p>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</p>
<p>May</p>	<p>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</p>
<p>June</p>	<p>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,</p>
<p>July November</p>	<p>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</p> <p><b>Revision</b></p>

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: NARENDER KUMAR  
 Paper with Code: PHY 501 & PHY 502 Class: B.Sc 5<sup>th</sup> Sem Session: 2020-21

Month	Name of Topic
November	Crystalline and glassy forms, liquid crystal, Crystal structure, periodicity, lattice and basis crystal translational vectors and axes. Unit cell and primitive cell, Wigner 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 & space
December	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 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
January	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.
Feb + March	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 <b>Revision</b>

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: ..... NARENDER kumar .....

Paper with Code: PHY 601 & PHY 602 Class: B.Sc 6<sup>th</sup> Sem Session: 2020-21 .....

Month	Name of Topic
<u>April</u>	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 <sub>1</sub> and D <sub>2</sub> lines of Na-atom, Paschen Back effect of a single valence electron system, Weak field Stark effect of Hydrogen atom..
<u>May</u>	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
<u>June</u>	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.
<u>July</u>	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 <b>Revision</b>

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-I

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

Paper code: 20UGCHE201

B.Sc.2 <sup>nd</sup> Semester (Paper code: 20UGCHE-201)	
Month	Topic
January, 2021	<ul style="list-style-type: none"><li>Chemistry of s-block elements: Diagonal relationship, anomalous behaviour of Lithium and beryllium, salient features of hydrides, oxides, halides, hydroxides, behaviour of solution in liquid NH<sub>3</sub>, complex formation tendency of s-block elements, structure of crown ethers and cryptanes</li><li>Boron family: Diborane: preparation, properties and structure, borazine: chemical properties and structure, relative strength of trihalides of Boron as Lewis acids, structure of Aluminium chloride</li></ul>
February, 2021	<ul style="list-style-type: none"><li>Carbon family: Catenation, carbides, fluorocarbons, silicates,</li><li>Silicon: preparation, properties and uses</li><li>Nitrogen family: Oxides: structure of oxides of nitrogen and phosphorus, structure of white, yellow and red phosphorus</li><li>Oxygen family: Oxy acids of sulphur: structure and acidic strength, Hydrogen peroxides: properties and uses</li><li>Halogen family: Interhalogen compounds, hydra and oxy acids of chlorine: structure and comparison of acid strength, cationic nature of Iodine</li><li>Noble gases: Chemistry of xenon, structure and bonding in fluorides, oxides and oxyfluorides of xenon</li></ul>
March, 2021	<ul style="list-style-type: none"><li>Aromatic hydrocarbons: preparation (case benzene), from phenol, by decarboxylation from acetylene from benzene sulphonic acid</li><li>Reactions (case of benzene): Electrophilic substitution, nitration, halogenation and sulphonation. Friedel-Craft's reaction (alkylation and acylation), side chain oxidation of alkyl benzenes</li></ul>
April, 2021	<ul style="list-style-type: none"><li>Alkyl halides: Types of nucleophilic substitution (SN<sub>1</sub>, SN<sub>2</sub> and SN<sub>i</sub>) reactions, Preparation: from alkenes and alcohols: Reactions: hydrolysis, nitrite &amp; nitro formation, nitrile &amp; isonitrile formation, Williamson's ether synthesis: elimination vs substitution</li><li>Aryl halides: Preparation: m(Chloro, bromo and iodo-benzene case): from phenol, Sandmeyer &amp; Gattermann reaction, Reaction (Chlorobenzene): Aromatic nucleophilic substitution (replacement</li></ul>

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Manish Kumar

Class: B.Sc -II

Paper: Inorganic Chemistry

Paper code: CH-301

**B.Sc.3<sup>rd</sup> Semester (Paper code: CH-301)**

Month	Topic
July, 2020	<ul style="list-style-type: none"><li>• Definition of transition elements, position in the periodic table, General characteristics &amp; properties of 1st transition elements</li></ul>
August, 2020	<ul style="list-style-type: none"><li>• Structures &amp; properties of some compounds of transition elements - TiO<sub>2</sub>, VOCl<sub>2</sub>, FeCl<sub>3</sub>, CuCl<sub>2</sub> and Ni (CO)<sub>4</sub></li><li>• General characteristics and properties of the II<sup>nd</sup> and III<sup>rd</sup> transition elements Comparison of properties of 3d elements with 4d &amp; 5d elements with reference only to ionic radii, oxidation state, magnetic and Spectral properties and stereochemistry</li></ul>
September, 2020	<ul style="list-style-type: none"><li>• Werner's coordination theory, effective atomic number concept, chelates, nomenclature of coordination compounds, isomerism in coordination compounds, valence bond theory of transition metal complexes</li></ul>
October, 2020	<ul style="list-style-type: none"><li>• Physical properties of a solvent, types of solvents and their general characteristics, reactions in non-aqueous solvents with reference to liquid NH<sub>3</sub> and liquid SO<sub>2</sub></li></ul>
November, 2020	<ul style="list-style-type: none"><li>• Revision</li><li>• Objective type class test</li><li>• Subjective type class test</li><li>• Problem solution</li><li>• Discussion of previous question papers</li><li>• Assignments/group discussion/presentations</li></ul>



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## LESSON PLAN

SESSION 2020-21

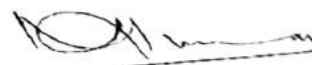
Name of the teacher: Dr. Manish Kumar

Class: B.Sc.-II

Paper: Inorganic Chemistry

Paper code: CH-401

B.Sc.4 <sup>th</sup> Semester (Paper code: CH-401)	
Month	Topic
January, 2021	<ul style="list-style-type: none"><li>Electronic structure, oxidation states and ionic radii and lanthanide contraction, complex formation, occurrence and isolation, lanthanide compounds</li></ul>
February, 2021	<ul style="list-style-type: none"><li>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</li></ul>
March, 2021	<ul style="list-style-type: none"><li>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</li></ul>
April, 2021	<ul style="list-style-type: none"><li>Chemistry of analysis of various groups of basic radicals, Theory of precipitation, co-precipitation, post-precipitation, purification of precipitates</li><li>Revision</li><li>Class test</li><li>Problem solution</li><li>Discussion of previous question papers</li><li>Assignments/group discussion/presentations</li></ul>



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# VAISH COLLEGE, BHIVANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Savitri Jain

Paper with Code CH-301, CH-302, CH-303 Class B.Sc. III Session 2020-2021

CH-301, CH-302, CH-303

Month	Name of Topic
July	
August	
September	
October	
November	
December	Met. Lugard Bonding in Transition metal Complexes Quantum Mechanics - I NMR Spectroscopy I & II
January	Thermodynamic & kinetic Aspects of metal complexes Physical Properties of molecular structure Coordination - I
February	Magnetic Properties & Transition Metal Complex Spectroscopy - I & II, IR, UV-Vis & vibrational Spectroscopy Coordination - II & organometallic Compds.
March	
April	Organometallic Chemistry Electron & Proton Transfer Heterocyclic Compds - I & II
May	Acid & bases H <sub>2</sub> O & NH <sub>3</sub> complex Photo Chemistry, Phase Equilibrium Organosulphur Compds, Organic Synthesis via Enolates
June	Bioinorganic Chemistry, Solenes & Phosphates Dilute solution & colligative Properties Synthetic Polymers, Amino acid, Nucleic acids & Proteins

# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Krishna Kumar

Class: B.Sc-I

Paper: Physical Chemistry

Paper code: CH-102 & 202


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

Months	Topic
July, 2020	<ul style="list-style-type: none"><li>Maxwell's distribution of velocities and energies (derivation excluded) Calculation of root mean square velocity, average velocity and most probable velocity.</li><li>Collision diameter, collision number, collision frequency and mean free path.</li><li>Deviation of real gases from ideal behaviour: Derivation of Vander Waal's Equation of State.</li></ul>
August, 2020	<ul style="list-style-type: none"><li>Application in the calculation of Boyle's temperature (compression factor). Explanation of behavior of real gases using Vander Waal's equation.</li><li>Structure of liquids. Properties of liquids - surface tension, viscosity, vapour pressure and optical rotations and their determination.</li></ul>
September, 2020	<ul style="list-style-type: none"><li>Critical temperature, critical pressure, critical volume and their determination. P-V isotherms of real gases, continuity of states.</li><li>Vander Waal's equation, relationship between critical constants and Vander Waal's constants. Critical compressibility factor.</li><li>The Law of corresponding states.</li><li>Regulation of gases.</li></ul>
October, 2020	<ul style="list-style-type: none"><li>Classification of solids. Laws of crystallography - (i) Law of consistency of interfacial angles (ii) Law of rationality of indices (iii) Law of symmetry.</li><li>Symmetry elements of crystals. Definition of unit cell &amp; space lattice. Bravais lattices, crystal system.</li><li>Refraction by crystals. Derivation of Bragg equation.</li><li>Determination of crystal structure of NaCl, KCl.</li><li>Liquid crystals: Difference between solids, liquids and liquid crystals. Types of liquid crystals. Applications of liquid crystals.</li></ul>
November, 2020	<ul style="list-style-type: none"><li>Revision</li><li>Class test</li><li>Division of Class Test</li><li>Assignments / group discussion / presentations</li></ul>

Dr. Krishna Kumar  
Principal  
Vaish College  
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**B.Sc.4<sup>th</sup> Semester (Paper code: CH-402)**

Month	Topic
January, 2021	<ul style="list-style-type: none"><li>• Second law of thermodynamics, need for the law, different statements of the law, Carnot's cycles and its efficiency, Carnot's theorem,</li><li>• Thermodynamics scale of temperature. Concept of entropy – entropy as a state function, entropy as a function of <math>V</math> &amp; <math>T</math>, entropy as a function of <math>P</math> &amp; <math>T</math>,</li><li>• entropy change in physical change, entropy as a criteria of spontaneity and equilibrium.</li><li>• Entropy change in ideal gases and mixing of gases.</li></ul>
February, 2021	<ul style="list-style-type: none"><li>• Third law of thermodynamics: Nernst heat theorem, statement of concept of residual entropy, evaluation of absolute entropy from heat capacity data.</li><li>• Gibbs and Helmholtz functions; Gibbs function (<math>G</math>) and Helmholtz function (<math>A</math>) as thermodynamic quantities, <math>A</math> &amp; <math>G</math> as criteria for thermodynamic equilibrium and spontaneity, their advantage over entropy change. Variation of <math>G</math> and <math>A</math> with <math>P</math>, <math>V</math> and <math>T</math>.</li></ul>
March, 2021	<ul style="list-style-type: none"><li>• Electrolytic and Galvanic cells – reversible &amp; Irreversible cells, conventional representation of electrochemical cells. EMF of cell and its measurement,</li><li>• Weston standard cell, activity and activity coefficients. Calculation of thermodynamic quantities of cell reaction (<math>G</math>, <math>H</math> &amp; <math>K</math>).</li><li>• Types of reversible electrodes – metal- metal ion gas electrode, metal –insoluble salt- anion and redox electrodes. Electrode reactions, Nernst equations, derivation of cell EMF and single electrode potential.</li><li>• Standard Hydrogen electrode, reference electrodes, standard electrodes potential, sign conventions, electrochemical series and its applications.</li></ul>
April, 2021	<ul style="list-style-type: none"><li>• Concentration cells with and without transference, liquid junction potential, application of EMF measurement i.e. valency of ions, solubility product activity Assignments/group discussion/presentations coefficient,</li><li>• potentiometric titration (acid- base and redox). Determination of pH using Hydrogen electrode, Quinhydrone electrode and glass electrode by potentiometric methods.</li><li>• Class Test</li><li>• Assignments/ Discussions/ Presentations</li></ul>



(Signature of Teacher)



Vaishali Choudhary  
BIRWAN



# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Krishan Kumar

Class: B.Sc.-II

Paper: Physical Chemistry

Paper code: CH-302 & 402

B.Sc.IInd Semester (Paper code: CH-302)	
Month	Topic
August, 2020	<ul style="list-style-type: none"><li>• Definition of thermodynamic terms: system, surrounding etc. Types of systems, intensive and extensive properties. State and path functions and their differentials.</li><li>• Thermodynamic process. Concept of heat and work. Zeroth Law of thermodynamics, First law of thermodynamics: statement, definition of internal energy and enthalpy.</li><li>• Heat capacity, heat capacities at constant volume and pressure and their relationship.</li><li>• Joule's law – Joule – Thomson coefficient for ideal gas and real gas: and inversion temperature.</li></ul>
September, 2020	<ul style="list-style-type: none"><li>• Calculation of w.q. <math>dU</math> &amp; <math>dH</math> for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process, Temperature dependence of enthalpy,</li><li>• Kirchoffs equation. Bond energies and applications of bond energies.</li></ul>
October, 2020	<ul style="list-style-type: none"><li>• Equilibrium constant and free energy, concept of chemical potential, Thermodynamic derivation of law of chemical equilibrium. Temperature dependence of equilibrium</li><li>• constant; Van't Hoff reaction isochore, Van't Hoff reaction isotherm. Le-Chatetier's principle and its applications Clapeyron equation and Clausius – Clapeyron equation</li><li>• its applications.</li></ul>
November, 2020	<ul style="list-style-type: none"><li>• Revision</li><li>• class test</li><li>• Discussion of Class Test</li><li>• Assignments/ group discussion/ presentations</li></ul>

  
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**B.Sc.6<sup>th</sup> Semester (Paper code: CH-602)**

<b>Month</b>	<b>Topic</b>
<b>January, 2020</b>	<ul style="list-style-type: none"><li>• Introduction to electronic spectroscopy, Frank Condon Principle, Molecular diagram and molecular term symbol of some molecules. And molecular electronic diagram</li></ul>
<b>February, 2020</b>	<ul style="list-style-type: none"><li>• Introduction to Photochemistry and photochemical reactions.</li><li>• Jabolanskii Diagram and its interpretation.</li><li>• photosensitized reactions-energy transfer processes (simple examples).</li></ul>
<b>March, 2020</b>	<ul style="list-style-type: none"><li>• Introduction to solutions and types of solutions.</li><li>• Explanation of colligative properties, measurement and based numerical problems</li><li>• Van't Hoff factor explanation with examples</li><li>• Introduction to Phase rule and explanation the terminology involved in it</li></ul>
<b>April, 2020</b>	<ul style="list-style-type: none"><li>• Explanation of Water system and two component system.</li><li>• Revision</li><li>• Class test</li><li>• Problem solution</li><li>• Assignments/group discussion/presentations</li></ul>



(Signature of Teacher)

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Kish College,  
KAPURTHALA


# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor Paiyanka

Paper with Code Ecology & Evolution, 5<sup>th</sup> and 6<sup>th</sup> Sem. Developmental Biology (6-2) Class 5<sup>th</sup> & 6<sup>th</sup> Sem Session 2020-2021

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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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Amit

Paper with Code Life And Diversity from (1) Class Bsc. IV y. Session 2020-2021  
Life And Diversity of Invertebrates (2.1)

Month	Name of Topic
July	<u>Protozoa</u> - General characteristics and classification of protozoa Type study: - <i>Plasmodium vivax</i> . 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 sponges, canal system, sponges and spicules.
September	<u>Coelenterate</u> Type study - obelia Coral and Anemones. Polymorphism in siphonophores.
October	<u>Helminthes</u> - General characteristics, classification and economic importance. Type study: - <i>Fasciola hepatica</i> . Life history, mode of
November	infection and pathogenicity of different helminthes.
December	
January	<u>Annelida</u> : - General characters and classification upto order Type study: - <i>Pheretima</i> , Metamerism in Annelida. <i>Ischaetobore lewisi</i> . - Affinities and evolutionary significance.
February	<u>Arthropoda</u> : - General characters and classification Type study: - <i>Periplaneta americana</i> .
March	<u>Mollusca</u> : - General characters and classification Type study: - <i>Pila</i> . Torsion and detorsion in gastropoda. Respiration and foot.
April	<u>Echinodermata</u> : - Type study: - <i>Ascidia</i> <i>Echinoderm larva</i> . Aristotle's lantern.
May	<u>Hemichordata</u> : - Type study: - <i>Balanoglossus</i> .
June	

  
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## LESSON PLAN PERFORMIA

Name of Assistant/Associate Professor: Amit

Paper with Code: Life And Diversity of chordata Class: 2<sup>nd</sup> year Session: 2020-2021

Life And Diversity of chordata II (40/1)

Month	Name of Topic
July	<u>Chordates</u> → Principle of classification, origin and evolutionary tree of chordates. functional morphology of the types with examples with their biodiversity and economic importance.
August	<u>Protochordates</u> :- General character and classification Type study of <u>Headmanaria</u> . Type study of <u>Amphioxus</u> .
September	<u>Cyclostomes</u> → classification and Ecological significance. Type study of <u>Pleuromyzon</u> .
October	<u>Pisces</u> → Scales and fins, Parental care in fishes. fish migration. Type study of <u>Labeo rohita</u>
November	
December	
January	<u>Amphibia</u> :- → Origin And Evolutionary tree of Amphibians. Type study of <u>Rana tigrina</u> . Parental care in Amphibians.
February	<u>Reptilia</u> :- Type Study :- Lizard, Evolutionary tree extant. Reptiles. Poisonous and non-poisonous snake. Poison apparatus in Snakes.
March	<u>Aves</u> :- Type Study of Pigeon. Flight Adaptation. Principles of aerodynamics in bird flight. Migration in birds.
April	<u>Mammals</u> :- → Type study of Rat. Adaptive Radiation of mammals and Dentition in mammals.
May	
June	

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L. N.

# VAISHI COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Amit

Paper with Code Fish and Fisheries (611) Class 3rd year Session 2020-2021  
Entomology (6.11)

Month	Name of Topic
July	<u>Fish And fisheries</u> :- → Production, utilization and demand. fresh water fishes of India - river system, reservoir, pond, tanks, fisheries, captive and culture fisheries.
August	fishing crafts and gears. fin fishes, crustaceans, mollusca and culture.
September	<u>Seed production</u> :- → Natural seed resources → its assessment collection, Hatchery production <u>Nutrition</u> - sources of food and food composition
October	<u>Fish Culture</u> :- → Ponds, Running water, Recycled water, Cage, culture, Polyulture.
November	<u>Culture Technology</u> :- → Biotechnology, gene manipulation and cryopreservation of gametes.
December	
January	
February	<u>Entomology of sugarcane</u> Pest damage and control of different pest of sugarcane & <i>Agrila bipunctata</i>
March	<u>cotton</u> - pink bollworm Red cotton bug cotton fruit weevil, Cotton jassid and systematic patterns habits and nature of damage caused of <i>Formicosea gossypiella</i>
April	<u>wheat</u> - wheat stem borers - systematic patterns habits, nature and damage control.
May	<u>Paddy</u> → Grounds bug, fire grasshopper, rice water bug and brown hopper <u>vegetables</u> - different types of Pest of vegetables and <i>Talorchestia</i> etc. <u>stored Grains</u> - <i>Rhizopertha</i> , <i>Coleoptera</i> , <i>Curculionidae</i> , <i>Blattella</i>
June	


# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Priyanka

Paper with Code Mammalian physiology 1611 (3:2:64:2) Class 1<sup>st</sup> year Session 2020-2021  
27<sup>th</sup> 4<sup>th</sup> sem

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, Haburger'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 Cell Biology (12) / Genetics (22) Class 12<sup>th</sup> year Session 2020-2021

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 semi-autonomous 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 eugenics, genetic counseling, pre-natal diagnostics, DNA-finger printing, transgenic animals.
May	
June	



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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor PIYAN DAL

Paper with Code Bot-17 & Bot-21 Class B.Sc 1st session 2020-21  
Cell Biology & Genetics

Month	Name of Topic
July	- The cell envelope: structure & function - cell membrane: structure, fluid mosaic model
August	- cell organelles: Golgi complex, ER, Peroxisome - chromosomes: detailed structure - cell cycle: Brief account
September	- cell division: mitosis & meiosis - chromosomal abnormalities (structural & numerical)
October	- sex chromosome & sex determination
November	
December	
January	- Genetic material: DNA, structure
February	- DNA replication, nucleosomal model - Genetic code, satellite & repetitive DNA
March	- Mendelian laws - Linkage, Gene interaction - extra-chromosomal inheritance
April	- mutation (spontaneous & induced) - Jumping gene, DNA damage & repair
May	- Gene expression (transcription) - Gene regulation (translation)
June	

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Mohan Lal

Paper with Code Bot 61 Bot 6 2 Class \_\_\_\_\_ Session 2nd sem

Biochemistry and Biotechnology @ Economic Botany

Month	Name of Topic
July	Basics of Enzymology - Discovery and Nomenclature Characteristics, concept of holoenzyme, apoenzyme Cofactor, coenzyme, regulation of enzyme activity, etc.
August	Mechanism of Respiration: ATP, aerobic, anaerobic Krebs cycle, ETC, Redox potential, oxidative phosphorylation Pentose phosphate pathway
September	Lipid Metabolism: Structure and function Fatty acid biosynthesis, $\beta$ -oxidation, saturated and unsaturated fatty acid, storage and mobilization of fatty acid
October	Nitrogen Metabolism Genetic engineering and Biotechnology - Tools
November	Techniques of recombinant DNA, cloning vectors Genomic and c-DNA library, transposable elements, plant tissue culture, totipotency, protoplast fusion
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 SWETA

Paper with Code BOT I-L Class B.Sc. 1st Session 2020-21

Diversity of microbes

Month	Name of Topic
July	Bacteria, cyanobacteria, Algae
August	Important features and life history of Volvox, Closterium, Vaucheria, Ectocarpus, Polysiphonia
September	Viruses - General account of virus, TMV, Bacteriophage Fungi - Characters, classification, economic imp, Lichens
October	Important features and life history of Phytophthora Mucor, Penicillium
November	Agaricus, Puccinia
December	
January	Bryophyte - structure and Rep - Marchantia - Anthoceros
February	Bryophyta - Funaria, Pteridophyta - characters classification, alternation of generations, heterospory
March	abogamy, stellar evolution. Rhynia, Selaginella Equisetum, Pteris
April	
May	
June	

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# VAISHI COLLEGE, BHIVANI

## LESSON PLAN PERFORMA

Date: \_\_\_\_\_

Name of Assistant/Associate Professor: \_\_\_\_\_

Paper with Code: \_\_\_\_\_

Month	Name of Topics
July	_____
August	_____
September	_____
October	_____
November	_____
December	_____
January	_____
February	_____
March	_____
April	_____



VAISH COLLEGE, BHIWANI  
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MADHON DOL

Paper with Code 207 51252 Class B.Sc 3rd Session 2020-21  
Plant Physiology & Biochemistry & Ecology

Month	Name of Topic
July	Important concept related to plant water relation. Transpiration
August	Stomata & its physiology Important mineral & inorganic nutrients
	Transportation of organic substance, source
October	Link relationship, factor affecting Translocation Photosynthesis: Important concept, 2-steps Photo phosphorylation
November	Plant hormone: History & discovery Mode of action, mechanism, Phytochrome- genesis, phytochrome: mechanism of action & role
December	
January	Introduction to Ecology: scope & importance - level of organization
February	Environment: Factor related to environment Climatic factor, edaphic & topographic factors - Biotic factor, ecological adaptation
March	Population ecology: characteristics & factors Community ecology: Character ecosystem: structure & composition & function
April	Biogeochemical cycles - Phyto-geographical region of India, Pollution Global change: Greenhouse Effect, Ozone depletion.
May	
June	

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Bhanu Pratap Singh

Paper with Code 20UMTH 101, 202 Class B.Sc Ist Session 2020-2021  
and B.Sc IIIrd, 12 BS 352, 362

Month	<u>B.Sc I<sup>st</sup></u>	<u>Name of Topic</u>	<u>B.Sc III<sup>rd</sup></u>
July			
August	Algebra of Matrix, rank of Matrix inverse, L.D. L.I. Eigen vector and the character of Equin, Cayley Hamilton theorem	Defination of a group with Ex. with Subgroups, cyclic group, Index of a Subgroup, Lagrange's th <sup>m</sup>	Normal Sub groups, Quotient groups
September	Application of Matrices to a system of linear, unitary & Orthogonal matrices bilinear & Quadratic forms	Homomorphisms, isomorphism auto morphism & inner automorphisms of a group, permutations groups Cayley's th <sup>m</sup>	Centre of group and derived group of
October	Relations between the roots & coefficients of general poly equation one variable, transform of Equin.	Rings Subrings Integrated domains and field ring Homomorphism quotient Ring	
November	Nature of the roots of an equin Descartes rule of Signs Cardan's Method	Euclidean Rings poly. Ring poly over the rational field Poly rings over commutative rings	
December	Exam	Exam	
January	Gradient of Scalar point function Directional derivatives character of gradient of point function operator	Vector Space Subspaces linear space L.D, L.I. Finitely generated Vector Space Existence th <sup>m</sup> for over commutative in dimension	
February	Orthogonal Curvilinear coordinates Gradient Divergence, curl & Laplacian operators cylindrical co-ordinates & spherical coordinates	Homomorphism & isomorphism of vector space Linear Transformation Dual space Null space Rank & Nullity Theorem	
March	Vector Integration Line Integral Volume Integral Green's Stokes th <sup>m</sup>	Algebra of L.T. Singular & Non Singular L.T. Matrix of a L.T change of basis	
April	General Equin of Second degree Tracing of conics chord of contact pole of line to the conic	Eigen values & Eigen vectors of L.T Inner product space Cauchy - Schwarz inequality, Bessel's inequality	
May	Exam	Exam	
June			

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**VVAISH COLLEGE, BHUWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor: Prasanna Singh  
 Paper with Code: 19 BC 203 Class: B (577) Session: 2020-2021  
 H. & Sec:

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	Definition of a matrix, types of matrix, Applications of matrices, operations for $3 \times 3$ simple business Determinant and inverse of a matrix, Sol <sup>n</sup> of system of linear eqn.
February	Compound Interest, different type of interest rate, Annuities - type, Present value and amount of an annuity
March	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	Finance
June	

  
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Name of Asstt,Professor	Dr. Seema Bansal	Session 2020-21
Paper with code	1. Advanced Calculus(BM 231) 2.Statics (BM 233) (odd sem.)	1.Real Analysis (BM 351) 2.Numerical Analysis (BM 353) (odd sem.)
	1. Sequence and series (BM 241) 2. Programming in C & Numerical Analysis (BM 243)(even sem.)	1.Real and Complex Analysis (BM 361) 2. Dynamics (BM 363) (even sem.)
Class	BA/B.Sc N.Y.IIrd Year	BA/B.Sc N.Y.IIrd Year
Month	<b>Name of the Topic</b>	
November	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 .
December	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.



January	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.	Subspaces of a metric space, equivalent metrics, Cauchy sequences, completeness, Cantor's intersection theorem, Baire's category theorem, contraction principle, Continuous function, uniform continuity, compactness for metric spaces, sequential compactness, Bolzano Weierstrass property, total boundedness, Finite intersection property, continuity in relation with compactness, connectedness, components, continuity in relation with connectedness.
February	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	Finite Difference operators, Interpolation with equal intervals, interpolation with unequal intervals, central difference interpolation formulae, Probability Distributions.
March	Composition and resolution of forces, Parallel forces, Moments and couples. Analytical conditions of equilibrium of coplanar forces, Friction, Centre of gravity.	Practicals based on Numerical Analysis in programming in C.
April	Exam	Exam
May	Exam	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.

June

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, closure, 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 sequences, bounded and monotonic sequences, Cauchy's sequence, Cauchy general principle of convergence, subsequences, subsequential limits.

Extended Complex plane, Stereographic projection of complex numbers, continuity and differentiability of complex function, analytic functions, CR equations, harmonic functions. Mapping by elementary functions: translation, rotation, magnification and inversion conformal mapping, Möbius transformation, fixed points, cross ratio, inverse points and Critical mappings.

July

infinite series: Convergence and divergence of infinite series, comparison test of positive terms in infinite series, Cauchy general principle of convergence of series, convergence and divergence of geometrical series, hyper 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, alternating series: Leibnitz's test, absolute and conditional convergence, Dirichlet's test, insertion and removal of parenthesis, rearrangement of terms in a series.

Velocity and acceleration along radial, transverse, tangential and normal direction, relative velocity and acceleration, SHM, elastic strings. Mass, Momentum and force, Newton's laws of motion, Work, Power and energy, Definitions of conservative forces and impulsive forces.

<p>August</p>	<p>Dirichlet's theorem, Riemann's rearrangement theorem, Pringsheim's theorem, multiplication of series, Cauchy's product of series, Convergence and absolute convergence of infinite product</p> <p>Computer's: A general introduction, Introduction to C, Data-Type, Operators, Decision Control Structures, loops, functions, Arrays, Pointers and files in C</p>	<p>Exam</p>
<p>Sept.</p>	<p>Exam</p>	<p>Exam</p>



# VAISHI COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Associate Professor- Dr. Shruti Rani

Session: 2020-21

Class: BSc Ist 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.	November	Introduction of Differentiation and Integration, Chapter 1: Limit, continuity, differentiability
2.	December	Chapter 2: Successive differentiation, Leibnitz theorem. Revision Chapter 3: Some general theorems on differentiable functions and expansions Chapter 4: Asymptotes, Revision
3.	January	Chapter 5: Curvature Chapter 6: Singular Points Chapter 7: Curve Tracing, Revision
4.	February	Chapter 8: Reduction Formulae, Chapter 9: Rectification Chapter 10: Quadrature Chapter 11: Volumes and surfaces of Solids of Revolution, Revision
5.	March	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.	April	Examination
7.	May	Examination
7.	June	Divisibility, Greatest common divisor, Least common multiple, Primes, Fundamental theorem of Arithmetic, Linear congruencies, Fermat's theorem, Wilson theorem and its converse, Legendre Symbol, Gauss's Lemma, Gauss reciprocity law, Greatest integer function, Divisor function, Sum Function, Revision
8.	July	Gauss reciprocity law, Greatest integer function, Divisor function, Sum Function, DeMoivre'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
9.	August	Orthogonal Curvilinear Coordinates, Conditions for orthogonality fundamental

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		triad of mutually orthogonal unit vectors. Gradient, Divergence, Curl and Laplacian operator in terms of orthogonal curvilinear coordinated, Cylindrical Coordinates and Spherical Coordinates, Vector Integration, Theorem of Gauss, Green and Stokes and problems based on these theorems, Revision
10.	September	Examination

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### LESSON PLAN PERFORMA

Name of Associate Professor- Dr Shruti Rani

Session 2020-21

Class: BSc IInd 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.	November	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.	December	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 co-efficients, Revision
3.	January	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.	February	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. Poinsots central axis Revision
5.	March	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.	April	Examination
7.	May	Examination
8.	June	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. Orthogonality of Legendre and Hermite polynomials. Rodrigues' Formula for Legendre & Hermite Polynomials, Laplace Integral Representation of Legendre 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.
9.	July	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. 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.
10.	August	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.  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
11.	September	Examination

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Session: 2021-22

Name of Associate Professor: Dr. Sanjay Goyal

Class: B.Sc. B.A 3rd Year

Paper with Code: Algebra (12BSM111)

1. Solid Geometry (12BSM113) (Odd Sem.)

2. Vectors Calculus (12BSM112) (Even Sem.)

Sr. No.	Months	Topics
1	November	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	December	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	January	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	February	Nature of the roots of an equation Descarte's rule of signs. Solutions of cubic equations (Cardon's method). Bi-quadratic 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	March	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	April	Examination

7.	May	Examination
8.	June	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. Homogeneous linear ordinary differential equations. Equations reducible to homogeneous linear ordinary differential equations. Linear differential equations of second order: Reduction to normal form.
9.	July	Transformation of the equation by changing the dependent variable/ the independent variable. Solution by operators of non-homogeneous linear differential equations. 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.	August	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. Vector differentiation. Scalar Valued point functions, vector valued point functions, derivative along a curve, directional derivatives.
11.	September	Examination

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## LESSON PLAN PERFORMA

Name of Assistant Professor: Dr KAMLESH

Paper with Code: Environmental Studies (21EVS100) Class: BSC 2<sup>nd</sup> Sem

Session: 2020-21

Month	Name of Topic
July	
August	
September	
October	UNIT 1: Definition, scope and importance. UNIT 2: Natural resources: Renewable and non-renewable resources: Forest, water, mineral, food, energy and land resource.
November	Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles. UNIT 3: Ecosystems: structure & functions, Ecological succession. Food chains, food webs and ecological pyramids.
December	Introduction, types, characteristic features, structure and function of major eco-systems UNIT 4: Biodiversity: Definition, levels, Value of biodiversity.
January	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
February	
March	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management, Role of an individual in prevention of pollution.
April	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
May	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation. Consumerism and waste products, Environment Protection Act. Air (Prevention and Control of pollution) Act. Water (Prevention and Control of pollution) Act. Wildlife Protection Act. Forest Conservation Act.
June	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.

  
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## LESSON PLAN PERFORMA

Name of Assistant Professor: Dr KAMLESH

Paper with Code: Environmental Studies (21EVS100) Class: BA 2<sup>nd</sup>Sem

Session: 2020-21

Month	Name of Topic
July	
August	
September	
October	UNIT 1: Definition, scope and importance. UNIT 2: Natural resources: Renewable and non-renewable resources: Forest, water, mineral, food, energy and land resource,
November	Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles. UNIT 3: Ecosystems: structure & functions, Ecological succession. Food chains, food webs and ecological pyramids.
December	Introduction, types, characteristic features, structure and function of major eco-systems UNIT 4: Biodiversity: Definition, levels, Value of biodiversity,
January	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
February	
March	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management, Role of an individual in prevention of pollution.
April	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
May	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation. Consumerism and waste products, Environment Protection Act. Air (Prevention and Control of pollution) Act. Water (Prevention and Control of pollution) Act. Wildlife Protection Act. Forest Conservation Act.
June	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.



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## LESSON PLAN PERFORMA

Name of Assistant Professor: Dr. KASHI P O JI

Paper with Code: Environmental Studies (EEV20106), Course: B.A. POL. S.C. 2008

Session: 2020-21

Month	Name of Topic
July	
August	
September	
October	UNIT 1: Definition, scope and importance
November	UNIT 2: Natural resources: Renewable and non-renewable resources: Soil, water, mineral, food, energy and land resource. Role of an individual in conservation of natural resources. Sustainable use of resources for sustainable lifestyles.
December	UNIT 3: Ecosystems: structure & functions. Ecological succession. Food chains, food webs and ecological pyramids.
January	Introduction, types, characteristic features, structure and function of major eco-systems.
February	UNIT 4: Biodiversity: Definition, levels, Value of biodiversity.
March	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.
April	UNIT 5: Environmental pollution: Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards, Solids waste management. Role of an individual in prevention of pollution.
May	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.
June	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, Wasteland reclamation, Consumerism and waste generation. Environment Protection Act, Air (Prevention and Control of pollution) Act, Water (Prevention and Control of pollution) Act, Wildlife Protection Act, Forest Conservation Act.
	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.

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**LESSON PLAN PERFORMA**

Name of Assistant Professor: Dr KAMLESH  
Paper with Code: Swachh Bharat (SB-100)  
Class: MA (Hindi) 1<sup>st</sup>Sem Session: 2020-21

Month	Name of Topic
July	
August	
September	
October	UNIT 1: Explain Swachhata, Ways of awareness for Swachhata, Personal Hygiene
November	UNIT 2: Health and Health Education, Balance diet and Sanitation practices
December	UNIT 3: Solid waste management, Segregation, Disposal Non-Biodegradable and Biodegradable waste
January	UNIT 4: Compost pits, Biogas plants, ways of campaigning Role of Gram panchayat in Swachhta
February	
March	
April	
May	
June	

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narendran Chohan

Paper with Code Macro Economics

Class B.A. II year Session 2020-21

Macro Economics

Month	Name of Topic
July	
August	
September	
October	Macro Economics - Concept, Nature, Scope National Income Accounting - Basic Concepts Measurements, Aggregates, Limitations of GDP Methods of measurement of National Income
November	GDP - Concepts and Aggregates Consumption - Determinants, Psychological Law Investment - Types, Measures to stimulate GDP equilibrium
December	Multiplicities - meaning, Process Fiscal Policy - its role for Government Net export functions, Equilibrium GDP
January	Aggregate Demand and Aggregate supply AD curve and price level changes AS in short run and in long run
February	
March	Money in modern economy - meaning, concept Components of money supply Money - Demand, Factors, Motives of Demand Quantity Theory of money
April	Monetary Policy IS-LM Functions, Aggregate Demand Trade cycle Theory by Hicks and Samuelson Harrod-Domar Growth models
May	Gains from International Trade, Modern Theory Balance of Payments - Capital, current, Impact Fixed Flexible rate of exchange, Equilibrium Nature / Scope of Public Finance
June	Principle of Maximum Social Advantage Effect of Public expenditure Impact and Incidence of taxes characteristics of Good Taxation System

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor M. Navin Kumar

Paper with Code Business Economics 198C103 Class B Com I year Session 2022-23

Indian Economy 2 Business Environment 198C-202

Month	Name of Topic
July	
August	
September	
October	Production Possibility Curve, Price Mechanism Law of Demand and Elasticity of Demand Measurements of elasticity of supply
November	Supply - Concept, factors, elasticity Returns to factors & Returns to Scale Demand curve, Producer's equilibrium Consumer Utility Analysis
December	Indifference curve - Properties, Budget line Traditional & modern Theory of Costs Equilibrium in Perfect Competition market Equilibrium in Monopoly
January	Equilibrium of monopolistic Competition Price Discrimination under Monopoly Oligopoly - Concept, Models, Collusive Oligopoly
February	
March	Business environment - Types & Components Environment Analysis - Importance & Process SWOT Analysis, NITI Aayog Economic Environment
April	Unemployment - Causes & suggestions Inflation - Types, causes & suggestions Industrial Sickness Industrial Policy
May	Monetary Policy - its instruments Fiscal Policy - its instruments International Monetary Fund and India
June	Liberalisation, Privatisation, Globalisation World Trade, Advantage / Disadvantages with World Bank Functions, Relations with India India



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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narendra Chohan

Paper with Code Development & Commerce Class B.A. (Hons.) Section 101  
International Economics

Month	Name of Topic
July	
August	
September	
October	Features of under-developing countries Economic growth & development - Labor-reliant obstacles and measurement Various kinds of Poverty
November	Balanced and Imbalanced Growth - Theories, Advantages, Features, Criticism, Forward and Backward linkage Lewis Model - Process of growth, Criticism Leibenstein's minimum effort theory, Criticism
December	Types of natural resources, Planning of environment Environment - Features, Components, Scope. Environment as necessity and luxury Population - Environment linkage
January	Features of environment as a public good Environmental Pollution - Types, causes, effect Environmental Legislation in India Sustainable Development, Indicators, Measurement & Enforcement.
February	
March	Inter Regional and International Trade - merits / Demerits Comparative Cost Theory Heckscher Ohlin Theory - explanation, Comparison Rate of exchange Determination & Theories
April	Fixed, 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
May	Balance of Trade and Balance of Payments BOP in India - Causes, Measures of address, BOP Foreign Trade Multiplier - Precautions, Leakages
June	International Monetary Fund - objectives, Functions Advantages of India with IMF and World Bank World Trade Organisation - Aggregates, Management SAPTA - Objectives, Conferences, SAARC and India

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Narendran Chohan

Paper with Code Micro Economics / Micro Economics Class B.A. I year Session 2020-21

Month	Name of Topic
July	
August	
September	
October	Nature and scope of economics, Scarcity/Choice Basic concepts of Economic system Concept of Micro and Macro Economics
November	Law of Demand - concept and determinants Elasticity of Demand - Types, Measurements Marginal and Total Utility Indifference curve Analysis, Budget line
December	Basis of Returns to factor and Returns to scale External and Internal economics Firm as an agent of Production
January	Traditional and Modern Theory of Costs Revenue - Relationship between Total, Average and Marginal
February	
March	Perfect Competition - equilibrium, Price and output determination Monopoly - Price and output determination Multiphase monopoly
April	Monopolistic comp. - Price and output determination Oligopoly - Price Rigidity Models, Leadership in Price Market Failure and Externalities
May	Marginal Productivity Theory Backward Bending of supply of Labour Richardian Theory of Rent & criticism
June	Modern Theory of Rent, Quasi Rent Net and Gross Interest, Theories of Interest Net and Gross Profit, Theories of Profit

  
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## LESSION PLAN

Name of Assistant Professor: Dr. Harikesh

Paper Name: Social Psychology & Developmental Psychology

Class B. A 2<sup>nd</sup> year

Session 2020-2021

Month	Name of Topic
July 2020	Unit-1 Introduction: Nature, subject matter, Sociometric method. Practical- sociometry
August 2020	Socialization: Nature, Process and Agents of Socialization. Unit-2 Group: Types and functions; Social Norms: Meaning, Characteristics and formation. Practical -Leadership
September 2020	Leadership: Types, Function, Theories- Trait, Situational, and Interactional Practical - Attitude
October 2020	Unit -3 Attitudes: Characteristics, Development and Attitude change. Prejudice: Nature, Development and Stereotypes Practical - Stereotypes
November 2020	Unit -4 Prosocial Behaviour: Nature, Determinants ,Cognitive Model. Aggression: Nature, determinants and prevention. Practical - Aggression scale and Altruism
December 2020	
January 2021	Unit -1 Human Development; Concept and principles Factors in human development, Practical -1 case study
February 2021	Biological Social and Cultural Unit-2 Prenatal development, determinants and stages. Infancy: Characteristics, Hazards and adjustment Practical -self concept, self esteem
March 2021	Unit -3 Childhood: Characteristics, Perceptual, Motor, Emotional, Cognitive Development. Adolescents: Characteristics and problems of adolescents and adjustment Practical - emotional maturity scale, family environment
April 2021	Adulthood: Early adulthood, late adulthood and aging-Changing patterns and problems. Practical - youth problem inventory
May 2021	Measures of variability: Quartile deviation, Standard deviation
June 2021	

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## LESSION PLAN

Name of Associate Professor: Dr. Satish Kumar

Paper Name: Introduction to Psychology & Experimental Psychology

Class B. A 1<sup>st</sup> year

Session 2020-2021

Month	Name of Topic
July 2020	Unit-1 Psychology :history, emergence as science Practical :EPI and Study of emotions
August 2020	Subject Matter, Methods of Psychology: Experimental, observation, survey Practical : Verbal test of Intelligence and RPM
September 2020	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 2020	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 2020	Unit-4 Personality: Nature, Determinants of personality, Type and Trait approach Intelligence: Nature, Theories of Intelligence: Spearman, Thurstone and Cattell
December 2020	Exam
January 2021	Unit-1 Attention: Nature, Characteristics and types, Psychophysics : Problems and Methods Practical: LTM, STM
February 2021	Unit-2 Learning: Definition, Factors affecting, Trial and Error Learning, Insight Learning; Classical and Operant Learning Practical : Retroactive Inhibition, serial position effects
March 2021	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 2021	Unit-4 Problem solving: stages, Convergent and Divergent thinking, Statistics: Frequency distribution, Graphical Presentation of data, Measures of central
May 2021	Measures of central tendencies
June 2021	Exam

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## LESSION PLAN

Name of Assistant Professor: Dr. Anil Kumar Sharma

Paper Name: Psychopathology & Applied Psychology

Class B.A 3<sup>rd</sup> year

Session 2020-2021

Month	Name of Topic
July 2020	Unit -1 Definition and Criteria of Abnormality Models of Psychopathology: Biological, Practical – clinical-interview
August 2020	Psychodynamic, Behavioural, and Cognitive Practical – TAT, DMI
September 2020	Unit- 2 Classification of Psychopathology: Need for classification, DSM system.,Diagnostic Assessment: Case history, Interview, Projective techniques. Practical - SCAT
October 2020	Unit -3 Anxiety Based Disorders: GAD, OCD, and Phobic disorders- Symptom and Causes. Substance/drug abuse – Causes, Consequences and Rehabilitation Practical- depression scale
November 2020	Unit-4 Mood disorders: Unipolar and bipolar-Symptoms and causes. Schizophrenia: Nature, types, and causes Practical - PGIMS
December 2020	Exam
January 2021	Unit-1 Applied Psychology: Meaning, History, fields, and careers in psychology. Organizational Psychology: Nature, Scope, objectives, and development. Practical -Stress
February 2021	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 2021	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 2021	Unit-4 Forensic psychology: Psychology and Law, Eyewitness Memory; Accuracy and improvement.
May 2021	Statistics: Correlation- Meaning, Rank difference, and Product moment method. Practical –adjustment inventory
June 2021	Exam

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LESSON PLAN

Name of Associate Professor: Dr. Indu

Paper Name: Foundations of Psychology & Social Psychology

Paper with code 20UPSY101 & 20UPSY201

Class B. A 1<sup>st</sup> Year

Session 2021-2022

Month	Name of Topic
January	Unit-1 Introduction: Nature, Brief History of Social Psychology (Special Emphasis on India), Scope of social psychology Practical - sociometry
February	Approaches towards understanding social behavior. unit-2 Socialization: Nature, Socialization: meaning and Agencies Person perception : attribution-theories biases and error Practical - Attitude
March	Unit-3 interpersonal attraction, pro-social behavior , aggression Practical - Altruism Scale
April	Unit-4 group dynamics, key aspect of groups , cooperation and conflict Practical - aggression scale
May	Group decision making
June	Exam

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LESSION PLAN

Name of Associate Professor: Dr. Indu

Paper Name: Foundations of Psychology & Social Psychology

Paper with code 20UPSY101 & 20UPSY201

Class B. A 1<sup>st</sup> Year

Session 2022-2023

Month	Name of Topic
July	Psychology: A science and a perspective, Origin and Development of Psychology, Psychology in India. Practical- Observation
August	Methods: Observation, Experimental and Survey Nature of Perception, Law of perceptual organization Practical-Intelligence test
September	Learning : Classical conditioning, Operant conditioning, Observation learning Memory: information processing model, techniques for improving memory Practical – Maze learning , LTM
October	Motives : biogenic and sociogenic , Emotions: aspect of emotions. James-Lange, Cannon-Bard Personality : nature , theories : cattell and allport Practical – study of emotion
November	Intelligence : nature , theories : Spearman and Thurston Practical - EPI
December	Exam
January	Unit-1 Introduction: Nature, Brief History of Social Psychology (Special Emphasis on India), Scope of social psychology Practical – sociometry
February	Approaches towards understanding social behavior. unit-2 Socialization: Nature, Socialization: meaning and Agencies Person perception : attribution-theories biases and error Practical -Attitude
March	Unit-3 interpersonal attraction, pro-social behavior , aggression Practical - Altruism Scale
April	Unit-4 group dynamics, key aspect of groups , cooperation and conflict Practical – aggression scale
May	Group decision making
June	Exam

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### LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Ramesh

Paper with Code: Indian Constitution -200111B      Class: B.A. 1st      Session: 2020-2021  
 Indian Politics -200121B

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, 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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*Ramesh*



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Reena

Paper with Code Principles of Political Science Class B.A. 2nd Session 2020-2021  
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

PRINCIPAL,  
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BHIWANI

*Reena*



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ratan Singh

Paper with Code: Indian constitution -2001118      Class: B.A 1st      Session: 2020-2021  
 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

*Ratan Singh*

  
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# VAISHI COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Nafan Singh

Paper with Code: Principles of Political Science Class: B.A. 2nd Session: 2013-2014  
Code: 200131B, 200141B

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

*(Signature)*

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. VIKAS GUPTA

Paper with Code 21161 (English 2<sup>nd</sup> Year) Class (M.A) Session 2020-21  
12<sup>th</sup> April 19/10/21 Date 12/04/21 Time 7:30 PM

Month	Name of Topic
July	कविता 2
August	कविता - 475 कविता 1 वी कविता कविता 475 कविता 2 कविता कविता 475 कविता 3 कविता, कविता 475 कविता 4/कविता
September	कविता 475 कविता 5 कविता 6 कविता 7 कविता 475 कविता 8 कविता 9 कविता 10 कविता 475 कविता 11 कविता 12 कविता 13
October	कविता 475 कविता 14 कविता 15 कविता 16 कविता 475 कविता 17 कविता 18 कविता 19 कविता 20 कविता 475 कविता 21 कविता 22 कविता 23 कविता 24
November	कविता 475 कविता 25 कविता 26 कविता 27 कविता 475 कविता 28 कविता 29 कविता 30 कविता 31 कविता 475 कविता 32 कविता 33 कविता 34 कविता 35
December	कविता 475 कविता 36 कविता 37
January	
February	
March	
April	
May	
June	

  
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## VAISH COLLEGE, BHIWANI LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor Dr. K. K. Gupta

Paper with Code English - I Class B.A. (Hons) Session 2018-19

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	इंग्लिश का इतिहास, इंग्लिश का विकास, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग
February	इंग्लिश का इतिहास, इंग्लिश का विकास, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग
March	इंग्लिश का इतिहास, इंग्लिश का विकास, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग
April	इंग्लिश का इतिहास, इंग्लिश का विकास, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग, इंग्लिश का अर्थ, इंग्लिश का प्रयोग
May	<u>उत्तर</u>
June	<u>उत्तर</u>

  
 Dr. K. K. Gupta  
 Vaish College  
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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor

Dr. VIKIN GUPTA

Paper with Code

121102203

हिंदी की शिक्षण

Class - M.A.

Session

2020-21

1st

Name of Topic

Month	Name of Topic
July	
August	महाभारत - हिंदी की शिक्षण
September	हिंदी शिक्षण, कविता शिक्षण
October	हिंदी की शिक्षण
November	हिंदी की शिक्षण की योजना
December	शिक्षण
January	
February	
March	
April	
May	
June	

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. VIPIN GUPTA

Paper with Code 19HND304 भारतीय साहित्य Class MA Session 2020-21  
June

Month	Name of Topic
July	वार्तिक
August	काव्य की परिभाषा व खण्ड, काव्य लक्षण, काव्य रस, काव्य शैली, काव्य की शक्ति, काव्य की संरचना काव्यशास्त्र की विभिन्न शाखाएँ
September	रस सिद्धांत, शब्दादीक्षण, रस व खण्ड, अतिशयोक्ति सिद्धांत, आकाश सिद्धांत व रस
October	शब्दादीक्षण, शब्द सिद्धांत, शब्द व रस, शब्द की रस
November	व्यंग्य सिद्धांत, व्यंग्य रस, व्यंग्य सिद्धांत व रस, व्यंग्य
December	वार्तिक
January	
February	
March	
April	
May	
June	

  
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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor Dr. VINAY GUPTA

Paper with Code PHND404 (English) संस्कृत Class Ph.D 1<sup>st</sup> year Session 2020-21  
IV Sem

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	अनुशासन की आवश्यकताएँ एवं लक्ष्य, अनुशासन (हिंदी) अनुशासन का अर्थ एवं महत्त्व, हिंदी अनुशासन की आवश्यकताएँ, हिंदी अनुशासन का विकास
February	अनुशासन का अर्थ, अनुशासन के प्रकार, अनुशासन के फल, अनुशासन के अभाव के फल
March	अनुशासन का अर्थ, अनुशासन के प्रकार, अनुशासन के फल, अनुशासन के अभाव के फल
April	अनुशासन का अर्थ, अनुशासन के प्रकार, अनुशासन के फल, अनुशासन के अभाव के फल
May	अनुशासन
June	

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor \_\_\_\_\_

Dr. Vipin Gupta

Paper with Code \_\_\_\_\_

Class

M.A.


Session

2020-21

(31/10/20)

आदिवासी समाज के विकास के लिए शिक्षा का महत्व

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	आदिवासी समाज के विकास के लिए शिक्षा का महत्व
February	आदिवासी समाज के विकास के लिए शिक्षा का महत्व
March	आदिवासी समाज के विकास के लिए शिक्षा का महत्व
April	आदिवासी समाज के विकास के लिए शिक्षा का महत्व
May	आदिवासी समाज के विकास के लिए शिक्षा का महत्व
June	आदिवासी समाज के विकास के लिए शिक्षा का महत्व

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. VIKIJA GUPTA

Paper with Code: 412-1114 AT 24211201  
1911ND403 Class: MA Session: 2020-21  
Handi

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	कविता र काली विद्या, गीत - शक्ति विद्या, गीत - विद्या विद्या, कविता - शक्ति विद्या
February	गीत - शक्ति विद्या, गीत - शक्ति विद्या, गीत - शक्ति विद्या
March	गीत - शक्ति विद्या - शक्ति विद्या विद्या विद्या, गीत - शक्ति विद्या, गीत - शक्ति विद्या
April	गीत - शक्ति विद्या - शक्ति विद्या विद्या विद्या, गीत - शक्ति विद्या, गीत - शक्ति विद्या
May	गीत - शक्ति
June	

  
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## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Anil Kumar

Class: M A (HINDI) 1<sup>st</sup> Sem

Paper: हिंदी साहित्य का इतिहास

Paper code: 19 HND 104

M.A HINDI 1<sup>st</sup> Semester (Paper code: 19 HND 104)

Month	Topic
July, 2020	
August, 2020	<ul style="list-style-type: none"><li>• साहित्य के इतिहास की अवधारणा</li><li>• हिंदी साहित्य इतिहास पुनर्लेखन की समस्याएं</li><li>• हिंदी साहित्येतिहास लेखन की परंपरा</li><li>• साहित्य के इतिहास का काल विभाजन एवं नामकरण</li></ul>
September, 2020	<ul style="list-style-type: none"><li>• आदिकाल नामकरण एवं युगीन परिस्थितियां</li><li>• आदिकालीन साहित्य की प्रमुख प्रवृत्तियां</li><li>• सिद्ध साहित्य, नाथ साहित्य, जैन साहित्य, रासी साहित्य, लौकिक साहित्य,</li><li>• अमीर खुसरो की हिंदी कविता</li></ul>
October, 2020	<ul style="list-style-type: none"><li>• भक्ति काल की दार्शनिक, सामाजिक, सांस्कृतिक और धार्मिक पृष्ठभूमि</li><li>• भक्ति आंदोलन और दक्षिण के आलवार संत</li><li>• निर्गुण एवं सगुण भक्ति का स्वरूप एवं प्रवृत्तियां</li><li>• भक्ति काव्य धाराएं एवं प्रवृत्तियां</li></ul>
November, 2020	<ul style="list-style-type: none"><li>• रीतिकाल का नामकरण एवं युगीन परिस्थितियां</li><li>• रीतिकाल की प्रवृत्तियां</li><li>• रीतिकाल कवियों का आचार्यत्व</li><li>• रीतिसिद्ध, रीतिमुक्त, रीतिबद्ध काव्य धाराएं एवं प्रवृत्तियां</li></ul>

(Signature of the teacher)

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## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Anil Kumar

Class: M.A (HINDI) 1<sup>st</sup> Sem

Paper: विशिष्ट रचनाकार प्रेमचंद

Paper code: 19 HND 106

M.A HINDI 1 <sup>st</sup> Semester (Paper code: 19 HND 106)	
Month	Topic
July, 2020	
August, 2020	<ul style="list-style-type: none"><li>• राष्ट्रीय परिदृश्य और प्रेमचंद</li><li>• प्रेमचंद की साहित्य दृष्टि</li><li>• प्रेमचंद और आदर्श-मुखी यथार्थवाद</li><li>• प्रेमचंद और पत्रकारिता</li></ul>
September, 2020	<ul style="list-style-type: none"><li>• प्रेमचंद और किसान</li><li>• प्रेमचंद की नारी भावना</li><li>• प्रेमचंद की भाषा</li><li>• प्रेमचंद की प्रासंगिकता</li></ul>
October, 2020	<ul style="list-style-type: none"><li>• उपन्यास: रंगभूमि</li><li>• कहानियाँ : बड़े घर की बेटी, ईदगाह, पूरा की रात, नमक का दरोगा</li></ul>
November, 2020	<ul style="list-style-type: none"><li>• नाटक: कर्बला</li><li>• निबंध : साहित्य का उद्देश्य, कहानी कला 1,2,3, महाजनी सभ्यता</li></ul>

  
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## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Anil Kumar

Class: M.A 2<sup>nd</sup> Sem (HINDI)

Paper: हिंदी साहित्य का इतिहास (आधुनिक काल)

Paper code: 19 HND 203

M.A 2 <sup>nd</sup> Sem (HINDI) (Paper code: 19 HND 203)	
Month	Topic
January, 2021	<ul style="list-style-type: none"><li>हिंदी गद्य का उद्भव और विकास</li><li>1857 की क्रांति और सांस्कृतिक पुनर्जागरण</li><li>भारतेंदु और उनका युग</li><li>महावीर प्रसाद द्विवेदी और हिंदी नवजागरण, प्रमुख गद्य लेखक</li></ul>
February, 2021	<ul style="list-style-type: none"><li>छायावाद के प्रमुख कवि, काव्य और प्रवृत्तियां</li><li>प्रगतिवाद के प्रमुख कवि और काव्य</li><li>प्रयोगवाद के मुख्य कवि और काव्य</li><li>नई कविता एवं समकालीन कविता के प्रमुख कवि</li></ul>
March, 2021	<ul style="list-style-type: none"><li>कहानी और उपन्यास</li><li>नाटक और एकांकी</li><li>निबंध</li><li>आलोचना</li></ul>
April, 2021	<ul style="list-style-type: none"><li>आत्मकथा, जीवनी, संमरण रेखाचित्र, रिपोर्टेज, यात्रा साहित्य, डायरी</li><li>हिंदी का प्रवासी साहित्य</li><li>प्रमुख अस्मितावादी विमर्श (स्त्री, आदिवासी, अल्पसंख्यक, किसान, पर्यावरण)</li><li>पत्र-पत्रिकाएं</li></ul>

  
(Signature of Teacher)

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

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"><li>• नाटक एवं रंगमंच अवधारणा और स्वरूप</li><li>• हिंदी नाटक एवं रंगमंच का उद्भव और विकास</li><li>• आरतेंद्र हरिश्चंद्र के नाटकों में राष्ट्रीयता</li><li>• जयशंकर प्रसाद के नाटकों में सांस्कृतिक चेतना</li></ul>
February, 2019	<ul style="list-style-type: none"><li>• धर्मवीर आरती के नाटकों में नाट्य शिल्प और अस्तित्ववाद</li><li>• मोहन राकेश के नाटकों में आधुनिकतावाद एवं प्रयोगशक्ति</li><li>• लक्ष्मीनारायण मिश्र के नाटकों में चित्रित समस्याएँ</li><li>• आसगर वजाहत के नाटकों में विभाजन एवं नासदी</li></ul>
March, 2019	<ul style="list-style-type: none"><li>• भारत दुःशा: आरतेंद्र हरिश्चंद्र</li><li>• चंद्रगुप्त : जयशंकर प्रसाद</li><li>• अध्याय 1 : धर्मवीर आरती</li></ul>
April, 2019	<ul style="list-style-type: none"><li>• आधे अधूरे मोहन राकेश</li><li>• सिद्धू की होली: लक्ष्मी नारायण मिश्र</li><li>• जिस लालीर नई देख्या ओ जन्माइ नई आसगर वजाहत</li></ul>

  
(Signature of Teacher)

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

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<sup>rd</sup> Semester (Paper code: 19 HND-305(i))

Month	Topic
July, 2020	
August, 2020	<ul style="list-style-type: none"><li>• भारतीय साहित्य की अवधारणा और स्वरूप</li><li>• भारतीय साहित्य के अध्ययन की समस्याएं</li><li>• भारतीय साहित्य में मूल्यों की अभिव्यक्ति</li><li>• भारतीय साहित्य में आज के भारत का बिम्ब</li></ul>
September, 2020	<ul style="list-style-type: none"><li>• संस्कार : यू.आर. अनंतमूर्ति</li><li>• मढी दा दीवा : गुरदयाल</li></ul>
October, 2020	<ul style="list-style-type: none"><li>• गोरा : रविंद्रनाथ ठाकुर</li><li>• घासीराम कोतवाल : विजय तेंदुलकर</li></ul>
November, 2020	<ul style="list-style-type: none"><li>• भारत तीर्थ: रविंद्रनाथ टैगोर</li><li>• गालिब की गजलें</li><li>• बर्बर राव: तेरे लिए मेरी खामोशी एक मौलिक संशोधन( कविता)</li></ul>

(Signature of the teacher)

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

Name of the teacher: Dr. Anil Kumar

Class: M.A. 4<sup>th</sup> Sem (HINDI)

Paper: विशिष्ट रचनाकार कबीर

Paper code: 19 HND 406 (i)

M.A. 2<sup>nd</sup> Sem (HINDI) (Paper code: 19 HND-406 (i))  
4<sup>th</sup>

Month	Topic
January, 2021	<ul style="list-style-type: none"><li>• कबीर का समय</li><li>• कबीर की प्रासंगिकता</li><li>• कबीर का रहस्यवाद</li><li>• कबीर के राम</li></ul>
February, 2021	<ul style="list-style-type: none"><li>• कबीर की क्रांति चेतना</li><li>• कबीर का स्त्री विषयक चिंतन</li><li>• कबीर की मानवतावादी दृष्टि</li><li>• कबीर की भाषा</li></ul>
March, 2021	<ul style="list-style-type: none"><li>• कबीर ग्रंथावली</li><li>• (पद संख्या 18 14 16 21 23 24 34 39 41 42 43 49 57 59 76 84 80 83 91 92 111 117 129 132 136 139 153 और 156)</li></ul>
April, 2021	<ul style="list-style-type: none"><li>• रमैनी संपूर्ण</li></ul>

(Signature of Teacher)

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN

SESSION 2020-21

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, 2021	<ul style="list-style-type: none"><li>गांधीवादी साहित्य चिंतन</li><li>हिंदी साहित्य में गांधीवादी चिंतन</li><li>अंबेडकरवादी साहित्य चिंतन</li><li>हिंदी साहित्य में अंबेडकरवादी चिंतन</li></ul>
February, 2021	<ul style="list-style-type: none"><li>माक्सवादी साहित्य चिंतन</li><li>हिंदी साहित्य में माक्सवादी चिंतन</li><li>मनोविश्लेषणवादी साहित्य चिंतन</li><li>हिंदी साहित्य में मनोविश्लेषणवादी चिंतन</li></ul>
March, 2021	<ul style="list-style-type: none"><li>अस्तित्ववादी साहित्य चिंतन</li><li>हिंदी साहित्य में अस्तित्ववादी चिंतन</li><li>आधुनिकतावादी साहित्य चिंतन</li><li>हिंदी साहित्य में आधुनिकतावादी चिंतन</li></ul>
April, 2021	<ul style="list-style-type: none"><li>उत्तरआधुनिकतावादी साहित्य चिंतन</li><li>हिंदी साहित्य में उत्तर-आधुनिकतावादी चिंतन</li><li>संरचनावादी और उत्तर संरचनावादी साहित्य चिंतन</li><li>हिंदी साहित्य में संरचनावादी और उत्तर संरचनावादी चिंतन</li></ul>

(Signature of Teacher)

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**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor <u>Dr. Asha Rani</u>	
Paper with Code : <u>HND- 301 समकालीन हिंदी कविता and HND 402</u> <u>भूमिगतमूलक मुद्रित चिन्तन (स्त्री आदिवासी विषय पर)</u>	
Class : <u>M.A. Hindi 3rd and 4th Semester</u> Session : <u>2020-21</u>	
Month	Name of Topic
July	Covid Period
August	Covid Period
September	Covid Period
October	Covid Period
November	समकालीन कविता परिभाषा और स्वरूप समकालीन हिंदी कविता की प्रवृत्तियां समकालीन हिंदी कविता की मुख्य कवि
December	भूमंडलीकरण और हिंदी कविता समकालीन समकालीन कविता की सौंदर्य चेतना समकालीन कविता और हिंदी बोध समकालीन हिंदी कविता की भाषा
January	नागार्जुन:- बाल में बांका कर सकी, मनुष्य हूँ (कविता) सुदामा पांडे धूमिल:- रोटी और संसद (कविता) विनोद कुमार शुक्ल :- जो मेरे घर कभी नहीं आएंगे, मंगल ग्रह इस समय पृथ्वी के
February	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) पुनरावृत्ति बहाना बाबा (कविता)
March	University Exam
April	अस्मिता की अवधारणा एवं स्वरूप धर्म संस्कृति और अस्मिता , अस्मिता मुल्क आंदोलन , भूमंडलीकरण अस्मिता स्त्री लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता आदिवासी लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता

May	दलित लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता किसान लेखन दृष्टि परंपरा प्रवृत्तियां और प्रासंगिकता महादेवी वर्मा हिंदू स्त्री का पत्नीत्व , स्त्री के अर्थ स्वातंत्र्य का प्रश्न । (निबंध) ममता कालिया बोलने वाली औरत (कहानी)
June	सविता सिंह रात नींद सपने और स्त्री, बैठी है औरतें भी विलाप में, कुसुम का सत्याग्रह संजीव कुमार फॉस (उपन्यास ) दीनबंधु छोटा राम बेचारा किसान (निबंध संग्रह ) ओमप्रकाश वाल्मीकि सलाम (कहानी )

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**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

<b>Name of Assistant/Associate Professor</b> <u>Dr. Asha Rani</u>	
<b>Paper with Code</b> <u>HND-103 हिंदी कहानी</u> and <u>HND-205 लोक साहित्य : संदर्भ</u>	
<b>Class</b> <u>M.A. Hindi 1st and 2nd Semester</u> <b>Session</b> <u>2020-21</u>	
<b>Month</b>	<b>Name of Topic</b>
July	Covid Period
August	Covid Period
September	Covid Period
October	Covid Period
November	हिंदी कहानी की परिभाषा एवं स्वरूप । कहानी की रचना विधान कहानी के विभिन्न तत्व । कहानी का उद्भव एवं विकास। हिंदी कहानी की मूल प्रवृत्तियां। प्रेमचंद और प्रसाद की कहानी कला । विविध कहानी आंदोलन।
December	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। "आकाशदीप" कहानी का मूल संवेदना

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January	<p>"आकाशदीप" कहानी की नायिका चंपा का चरित्र चित्रण।  लघु उत्तरात्मक प्रश्न।  "दुनिया का अनमोल रत्न" कहानी का सार।  कहानी का मूल उद्देश्य। कहानी के नायक नायिका का चरित्र चित्रण।  "फैसला" कहानी का सार।  फैसला कहानी की मूल संवेदना। नायिका का चरित्र चित्रण।</p>
February	<p>"तीसरी कसम" कहानी का सार कहानी का उद्देश्य।  हीरामन का चरित्र चित्रण।  लघु उत्तरात्मक प्रश्न  "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।  धापती का चरित्र चित्रण।  लघु उत्तरात्मक प्रश्न  पुनरावृत्ति</p>
March	University Exam
April	<p>इकाई एक  लोक साहित्य का अर्थ परिभाषा और स्वरूप  लोक साहित्य का इतिहास  लोक संस्कृति और लोक साहित्य  लोक साहित्य परंपरा एवं प्रयोग  इकाई दो  लोक साहित्य के अध्ययन की प्रक्रिया</p>
May	<p>लोक साहित्य की संकलन की विधियां  लोक साहित्य का तुलनात्मक अध्ययन  इकाई 3  लोकगीत  लोक कथा एवं लोक गाथा  लोकनाट्य (सांग)</p>

  
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VAISHI COLLEGE, BHIWANI  
LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Dr. Asha Rani	
Paper with Code: HND -101 साहित्य की समझ and HND -हिंदी उपन्यास	
Class M.A. Hindi 1st and 2nd Sem Session 2020-21	
Month	Name of Topic
July	Covid Period
August	Covid Period
September	Covid Period
October	Covid Period
November	भाषा और उसका सृजनात्मक रूप, साहित्य की परिभाषा और स्वरूप, साहित्य का प्रयोजन
December	साहित्य की प्रेरणा साहित्य और संस्कृति, साहित्य और समाज, साहित्य और दर्शन, साहित्य प्रकृति
January	साहित्य और कलाएं, साहित्य लोक साहित्य, हिन्दी साहित्येतिहास छंद - परिभाषा और भेद
February	बिम्ब - परिभाषा और भेद अलंकार - परिभाषा और भेद प्रतीक - परिभाषा और भेद
March	University Exam
April	हिंदी उपन्यास की अवधारणा उदभव और विकास। प्रेमचंद युगीन उपन्यास और भारतीय परिवेश प्रेमचंद परवर्ती उपन्यास। देश विभाजन और हिंदी उपन्यास

May	<p>स्त्री उपन्यास लेखन।  भूमंडलीकरण और हिंदी उपन्यास  फणीश्वर नाथ के उपन्यास मैला आंचल सार। उपन्यास की मूल संवेदना।  उपन्यास के नायक का चरित्र चित्रण।  गोदान उपन्यास का सार।  गोदान उपन्यास की मूल संवेदना।</p>
June	<p>गोदान भारतीय किसान की त्रासदी गाथा।  गोदान में आदर्शवाद और यथार्थवाद।  लघु उत्तरात्मक प्रश्न  मृदुला गर्ग के उपन्यास कठ गुलाब उपन्यास का सार।  काठगुलाम का उपन्यास की मूल संवेदना।  कठ गुलाब उपन्यास में नारीवादी चेतना।  कठ गुलाब उपन्यास की नायिका स्मिता के चरित्र की विशेषताएं।  लघुतरात्मक प्रश्न  श्री लाल शुक्ल के उपन्यास राग दरबारी का सार।  राग दरबारी उपन्यास में चित्रित समस्याएं।  ओपन राग दरबारी उपन्यास के नायक का चरित्र चित्रण।  लघु उत्तरात्मक प्रश्न।  पुनरावृत्ति</p>

  
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# VAISHI COLLEGE, BHUWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Ms. Sunita Gogoi  
 Paper with Code: English Class: B.Sc. 3<sup>rd</sup> p. Semester: 2<sup>nd</sup> & 3<sup>rd</sup>

Month	Name of Topic
July	
August	
September	
October	Book - "Chronicles of Time"
November	Introduction to Sonnet forms & paper factoring; Poems: 1. "Let me not" - text explanation 2. "Death be not proud" - (ans) answers.
December	Poems: 3. "Billie's Slenderness" 4. "The Rite of Spring" - Intro/Vocabulary/ text 5. "Chadwell" - explanation & (Q) Answers
January	Poems: 6. "Know Thyself" - phrasal verbal practices. 7. "These Yearss" - prepositions 8. "England in 18th" - Correlation & work
February	Poems: 9. "The Little Black Boy" - explanation of text 10. "Crossing the Bar" - (Q) Answers. Translation & Paragraph writing Practice & Revision tests.
March	
April	Ch-1 "Our Civilization" - Text Explanation & Ch-2 "5th Question Time" - (Ques) Answers. Translation from Eng to Hindi.
May	Ch-3 "Aristotle's Interview" - text explanation, (Q) Ans. 4. "Unalterability" - " - Poetic writing 5. "Juxtaposition of words" - explanation of (Q) Ans; 6. "Seven Types" - " - explanation of (Q) Ans;
June	Official letter writing Revision tests, Exam tips.

1<sup>st</sup> sem

2<sup>nd</sup> sem

Sunita

Principal  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Sarita Goyal  
 Paper with Code English Class BA-I Session 2020-21

Month	Book ✓ ✓ Literature & Language I <small>Name of Topic</small>
July	Covid Period (online Assignments)
August	— do —
September	— do —
October	online Admission & other duties.
Sem I November	<ul style="list-style-type: none"> <li>• Discussion about syllabus &amp; exam patterns</li> <li>• Parts of speech - Practice. • Paragraph writing practice.</li> <li>• ch. I - Phonetics - Speech sounds - Practice.</li> </ul>
December	<ul style="list-style-type: none"> <li>• ch. II Choosing our universe — exercise.</li> <li>• III Aoe Dams the temples of modern India - exs.</li> <li>• Practice of Pronouns, Adjectives.</li> </ul>
January	<ul style="list-style-type: none"> <li>• ch. IV The Generation Gap + exs.</li> <li>• V Language &amp; National Identity + exs.</li> <li>• VI Wounded plants + exs.</li> </ul>
February	<ul style="list-style-type: none"> <li>• ch. VII - Playing the English Gentleman + exs.</li> <li>• ch. VIII Great Books born out of Great minds - exs.</li> <li>• <del>ch. IX</del> ch. IX - The Responsibility of young men + exs.</li> </ul>
March	<ul style="list-style-type: none"> <li>• ch. X - Bharat Mata + exs. Revision</li> <li>• Conjunctions practice.</li> <li>• Vocabulary, Tenses, Preposition practice.</li> </ul>
Sem II April	<ul style="list-style-type: none"> <li>• Text of ch. I - IV with exs.</li> <li>• Transcription practice.</li> </ul>
May	<ul style="list-style-type: none"> <li>• Text of ch. V - VIII with exs.</li> <li>• Vocabulary &amp; Grammar practice.</li> </ul>
June	<ul style="list-style-type: none"> <li>• chapters' revision, - • written class tests.</li> <li>• Ref. to the context - Revision</li> </ul>

*Sarita*

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. ANSO RAJAN  
 Paper with Code English Class B.A. 3<sup>rd</sup> Session 2020-21  
24/8/2021

Month	Name of Topic	
July	Covid related (Online Assignments)	
August	- do -	
September	do -	
October		
November	Literature and Language - I	Parts of speech
	Ch. II - "Choosing Our Universe"	Basic concepts of Phonetics
December	Ch. III - "Aeolian's the Temple of..."	Pronouns, Adjectives, Verb, Adverbs (Practice)
	Ch. IV - "The Generation Gap"	
January	Ch. V - "Language & National Identity"	Tense - Preposition, Conjunction with Practice
	Ch. VI - "Wounded Plants"	
February	Ch. VII - "Meeting the English Gentleman"	Vocabulary, Paragraph writing
	Ch. VIII - "Great Books Run out of..."	
March	Ch. IX - "The Responsibility of..."	Practice of Transcription
	Ch. X - "Bhawal Mata"	
April	Revision / Test / Doubt session	Practice of Essay writing
	Literature and Language - II	
May	Test of Ch. I to Ch. IV with questions/Answers	Practice of vocabulary and other grammar topics
	Test of Ch. V to VIII with questions/Answers	
June	Test of Ch. VIII with Q/A, Exercise	Revision of syllabus Practice of written Tests

Sem-I

Sem-II

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# VAISH COLLEGE, BHIWANI

## VAISH COLLEGE, BHIWANI LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. ANJU RAJAN  
 Paper with Code English Class B.A. Session 2020-21  
3<sup>rd</sup> and 4<sup>th</sup> sems

Month	Name of Topic
July	
August	
September	
October	
November	Introduction to the syllabus and Paper Pattern Poem 2 - 'Sonnet XVIII' Poetic Devices Poem 3 - 'Kiss Them Thyself' Vocabulary
December	Poem 4 - 'Elegy written in a country churchyard' Poem 5 - 'The World is too Much with Us' Non-finite verbs Poem 6 - 'Ode on a Grecian Urn' Essay Writing
January	Poem 7 - 'My last Duchess' Poem 8 - 'When You are Old' Poem 9 - 'The Bangle Sells' verb-patterns clauses
February	Poem 10 - 'Where The Mind is Without Fear' Phrasal verbs Poem 11 - 'Another Woman' Conditional clauses
March	
April	Introduction to One Act Plays Play 1 - 'The Envoy' - Exercise Play 2 - 'The Swan Song' Speech sounds with Practice Translation
May	Play 3 - 'The Monkey's Paw' - Exercise Play 4 - 'Before Breakfast' Re-Translation Precise Writing Note-Review
June	Play 5 - 'The Sleepwalkers' with Explanation, Q/A, Exercise Email Writing Resume Writing Grammar and Vocabulary

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Punam Verma

Paper with Code English

Class B.A.I  
2nd Sem.

Session 2020-21

sem I

Month	Name of Topic
July	Covid Period (online assignments)
August	- do -
September	- do -
October	On-line Admission and other duties.
November	Literature and Lang. I. Introduction to syllabus and exam pattern Introduction to parts of speech and basic concepts of Phonetics symbols and words.
December	ch-II choosing our universe + Exercise ch-III Are Dams the Temple of Modern India + Exercise Practice of Pronouns, Adjectives.
January	ch-IV The Generation Gap + Exercise ch-V Language and National Identity + Exercise ch-VI Wounded Plants + Exercise + Vocab Practice
February	ch-VII Playing the English Gentleman + Exercise ch-VIII Great Books born out of Great minds + Exercise ch-IX Playing the English Gentleman + Exercise, Tenses + Preposition Practice.
March	ch-X - The Responsibility of Young Men + exercise ch-XI - Bharat Mat at Exercise + Conjunction Practice
April	Practice of Vocabulary + Paragraph writing Revision, question Answer Practice + written test of transcription
April	Text of ch-I to IV + Exercise
May	Text of ch-V to VII with Practice of Vocab and other title of Grammar question + Answer.
June	ch-VIII - Revision of syllabus Practice and written test.

sem II

  
 Dr. Punam Verma  
 Vaish College  
 BHIWANI



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Month	
Year	1911
August	1911
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# VAISHI COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Puram Veerma

Paper with Code: English

Class: B.A. (Hons) Semester 2010-11  
5th/6th Sem

Month	Name of Topic	
July		
August		
September		
October		
<u>5th Sem</u> November	<u>'Kanthapura'</u> Introduction to Novel, Paper pattern, text of Novel ch. I to V with character analysis & Q/Ans.	Introduction to <del>essay</del> writing, Defining and Non-defining clause.
December	Explanation of text from ch. VI to X with P/Ans Practice Important episodes	Paragraph writing with practice conditional clauses
January	Discussion of ch. XI to XV with Q/Ans	Increase writing, comprehension questions
February	Explanation of ch. XIV to XIX with practice of important questions/episodes	Construction of sentences, library forms, Revision tests -1
March	Revision/Practice tests, doubt sessions before the commencement of examination.	
<u>6th Sem</u> April	Introduction to Play 'Men of Menorah of Veerma' text and explanation of A I I Character Introduction etc	2nd exercise
May	Text explanation of A I II & III with discussion of important ques	official letters writing
June	Text explanation of A-IV & A-V with character analysis/P/Ans	Vocabulary with Revision tests

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Date: \_\_\_\_\_  
Signature: \_\_\_\_\_  
10/10/2010

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Punam Verma

Paper with Code English

Class B.A.T.I  
3rd + 4th sem

Session 2020-21

Month	Name of Topic
July	
August	
September	
October	
November	<p style="text-align: center;">(Fragrances)</p> <p>Introduction to the syllabus and Paper Pattern Poetic Devices - ch-I Poem-2 - Sonnet XVIII + Exercise Poem-3 - Know than thyself + Exercise</p>
December	<p>Poem-4 - Elegy written in country churchyard, Exercise Poem-5 - The world is too much with us + Exercise Poem-6 - Ode on a Grecian urn + Exercise</p>
January	<p>Poem-7 - My last Duchess + Exercise Poem-8 - When you are old + Exercise Poem-9 - The Bangle Sellers + Exercise Poem-10 - Where the mind is without fear + Exercise</p>
February	<p>Poem-11 - Another woman + Exercise Non-finite, vocabulary, clauses, conditionals, essay-writings, Verb-Pattern, Phrasal verbs.</p>
March	<p style="text-align: center;">EXAMS</p> <p style="text-align: center;">(Centre stage)</p>
April	<p>Introduction to the one act Plays Practised a peach sounds. ch-I The Envoy with exercise, ch-II The Swan-Song + exercise ch-III The Monkey's Paw + exercise</p>
May	<p>ch-IV - Before Breakfast + exercise ch-V The Sleepwalkers + exercise Translation, Prec's, writing, E-mail, Resume writing</p>
June	<p>Book-Reviews, Re-translation, Grammar and vocabulary Revision of the Plays</p>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Dhiraj Trikha-----  
Paper with Code-----ENGLISH-----Class-----B.A. III-----Session-----2020-21-----

Month	Books: 5 <sup>th</sup> Sem-Kanthapura 6 <sup>th</sup> Sem- The Merchant of Venice SEMESTER-V
July	
August	
September	
October	
November	Introduction of Kanthapura, Text from Ch.1-V Explanation & Q/A, Story-Writing, Defining and Non-defining Clauses.
December	Text from Ch. V-X, Explanation & Q/A, Paragraph Writing, Conditional Clauses
January	Text from Ch. XI--XV Explanation & Q/A, Precis, Character Analysis
February	Text from Ch. XVI-XIX Explanation & Q/A,, Literary Terms, Revision of Syllabus Practice of Official Letter Writing,
March	Revision of the Play, Class Test(Characterers) Doubt Session SEMESTER-VI
April	Text of Act-1with Explanation & Q/A, Character Analysis.
May	Text of Act-II-III, Official Letter Writing, Imp. Q/A discussions; Ref. To Context.
June	Text of Ch. IV &V, Character Analysis, Vocabulary with Revision tests, Revision of All Acts.

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Dhiraj Trikha-----  
Paper with Code-----ENGLISH-----Class-----B.A. I-----Session-----2020-21-----

Month	Books: Literature & Language-I Literature & Language-II
July	COVID—19 Period (Online Assignments)
August	COVID—19 Period (Online Assignments)
September	COVID—19 Period (Online Assignments)
October	Online Admissions and other Duties
<b>SEMESTER-I</b>	
November	Discussion of Syllabus, Paper Pattern. Ch.I- Speech Sounds-Explanation and exercises. Parts of Speech- Practice, Phonetics.
December	Ch.II- Choosing Our Universe- exercises. Ch.III- Are Dams the Temples of Modern India-Exercises. Pronoun & Adjective Practice.
January	Ch.IV- The Generation Gap-Exercises. Ch.V- Language & National Identity-Exercises. Ch. VI- Wounded Plants-Exercises.
February	Ch.VII – Playing the English Gentleman-Exercises. Ch. VIII- Great Books Born out of great Minds- Practice. Ch. IX- The Responsibility of the Young Men-Exercises.
March	Ch. X- Bharat Mata-Exercises. Tenses, Voice, Articles, Prep. Conjunctions-Practice.
<b>SEMESTER-II</b>	
April	Ch.-1-IV with -Exercises. Transcription & Grammar Practice.
May	Vocabulary Practice. Text of Ch. V-VIII with Examples.
June	Chapters Revision; Written Class tests. Ref. To the Context- Revision.

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana RB

Paper with Code Engg. Class 12th Session 2020-21

2nd Sem

5th Sem

6th Sem

Month	Name of Topic
July	
August	
September	
October	<u>'Kankhadon'</u>
November	<u>Introduction to Novel, Paper pattern, Introduction to Story Writing, Text &amp; Match 2 box, Defining and Non defining with characters Analysis &amp; answers. Clauses</u>
December	<u>Explanation of text from <u>IX</u> to <u>X</u> with Q/A practice. Paragraph Writing with practice. Important Episodes. Conditional clauses</u>
January	<u>Discussion on <u>VI</u> to <u>IX</u> with Question/Answers. Precise Writing, Comprehension - practice</u>
February	<u>Explanation of <u>VI</u> to <u>IX</u> with practice of important literary terms, Revision Tests etc. Conversion of Sentences. Questions/Episodes</u>
March	<u>Revision/Practice Tests, doubt sessions before the commencement of examination.</u>
April	<u>Introduction to Play 'Merchant of Venice' Text and Explanation of Act I with Exercise. Characters &amp; Introduction etc.</u>
May	<u>Text explanation of Act II and III. Official letter with discussion of important questions. Writing</u>
June	<u>Text explanation of Act IV and Act V. Vocabulary with with character analysis/Q Answers. Revision Tests.</u>



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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Landina MB

Paper with Code English Class Eng I Session 2020-21  
2nd semester

Month	Name of Topic
July	
August	
September	
October	
November	Chronicles of Time: Introduction to 'Sonnet' form, Paper patterns Poems: 'Let them be', 'Death Be Not Proud' Text explanation, Question/Answer practice
December	Text Explanation of Poems 'On His Blindness', 'The Retreat', 'Shadwell' with Introduction, Vocabulary, Question/Answer practice
January	Poems: 'Know Thine Self', 'The Little Black Boy'. Complete in all respects. Translation and Paragraph Writing Practice
February	Text Explanation of Poems 'Three Years', 'England in 1819', 'Crossing the Bar', Choral texts, Preposition, Common Errors etc.
March	Practice and Revision tests.
April	Ideas by law: Introduction to Essay Form, Criticism of 'Our Civilization', It's Question Time. (Practice) Translation from English to Hindi
May	Essay 'An Interview', Practice of Precise Writing 'Ontouchability and caste system' with explanation, Practice Questions
June	Essay 'Inhumanisation of War', Official letter Writing Seven Types of Gender Equality, Revision, tests, Doubt Sessions. with explanation, Practice Question Exercise

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Surender Singh-----  
Paper with Code-----ENGLISH-----Class-----B.A. III-----Session-----2020-21-----

Month	Books: 5 <sup>th</sup> Sem-Kanthapura 6 <sup>th</sup> Sem- The Merchant of Venice SEMESTER-V
July	
August	
September	
October	
November	Introduction of Kanthapura, Text from Ch.1-V Explanation & Q/A, Story-Writing, Defining and Non-defining Clauses.
December	Text from Ch. V-X, Explanation & Q/A, Paragraph Writing, Conditional Clauses
January	Text from Ch. XI--XV Explanation & Q/A, Precis, Character Analysis
February	Text from Ch. XVI-XIX Explanation & Q/A,, Literary Terms, Revision of Syllabus Practice of Official Letter Writing,
March	Revision of the Play, Class Test(Character) Doubt Session SEMESTER-VI
April	Text of Act-1with Explanation & Q/A, Character Analysis.
May	Text of Act-II-III, Official Letter Writing, Imp. Q/A discussions; Ref. To Context.
June	Text of Ch. IV &V, Character Analysis, Vocabulary with Revision tests, Revision of All Acts.

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana Verma

Paper with Code English

Class P.P. I

Room No. 201

2nd year

Month	Name of Topics
July	World Period (online assignment)
August	— do —
September	— do —
October	Online Admission and other details.
November	Literature and lang. I Ch. II 'Choosing your Universe' and Para. concept of literature Ch. III 'Aesthetics' with explanation and exercise
December	71. Text of ch. IV, V, VI Generalized Gap, Language and National Identity, Hounded Party Vocabulary, Subjective, Verb, Adjectives, Prepositions
January	Ch. VII, VIII, IX 'Playing the Eng Gentleman', 'Great books born out of Great Minds', 'The Responsibility of Young Man'. Tenses, Prepositions, Conjunctions (Practice)
February	Text of ch. X (Behan Malvi) Vocabulary, Paragraphs, Writing
March	Revision Tests Before Exam, Last Session. (Literature and language, II) Practice of Transcription
April	Text of ch. I to IV with Practice of Essay writing question/Answers
May	Text of ch. V to VII with Practice of Vocabulary question/Answers and other grammar topics
June	Ch. VIII Revision of syllabus Practice of Writing skills

Vandana Verma

Principal  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor-----Surender Singh-----  
 Paper with Code-----ENGLISH----- Class-----B.A. I----- Session-----2020-21-----

Month	Books: Literature & Language-I Literature & Language-II
July	COVID—19 Period (Online Assignments)
August	COVID—19 Period (Online Assignments)
September	COVID—19 Period (Online Assignments)
October	Online Admissions and other Duties
<b>SEMESTER-I</b>	
November	Discussion of Syllabus, Paper Pattern. Ch.I- Speech Sounds-Explanation and exercises. Parts of Speech- Practice, Phonetics.
December	Ch.II- Choosing Our Universe- exercises. Ch.III- Are Dams the Temples of Modern India-Exercises. Pronoun & Adjective Practice.
January	Ch.IV- The Generation Gap-Exercises. Ch.V- Language & National Identity-Exercises. Ch. VI- Wounded Plants-Exercises.
February	Ch.VII – Playing the English Gentleman-Exercises. Ch. VIII- Great Books Born out of great Minds- Practice. Ch. IX- The Responsibility of the Young Men-Exercises.
March	Ch. X- Bharat Mata-Exercises. Tenses, Voice, Articles, Prep. Conjunctions-Practice.
<b>SEMESTER-II</b>	
April	Ch.-1-IV with -Exercises. Transcription & Grammar Practice.
May	Vocabulary Practice. Text of Ch. V-VIII with Examples.
June	Chapters Revision; Written Class tests. Ref. To the Context- Revision.

*Surender Singh*

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor DR. SURENDER KUMAR

Paper with Code 2020-2021 Class B.A. (H) Year 2 Session 2020-2021

Month	Name of Topic
July	
August	पुरापाषाण काल, त्रस्यपाषाण काल, मणिपाषाण काल का वर्णन, कुम्हार संस्कृति, वैदिक संस्कृति, जैन धर्म, कौटिल्य के सिद्धांत, पाषाण काल का विस्तार से वर्णन, वैदिक काल का वर्णन
September	हनुमान संस्कृति का विस्तार से वर्णन, चिन्मय कुम्हार संस्कृति का वर्णन, लौह व त्रस्यपाषाण काल, शिल्प का उत्थान, जैन धर्म कौटिल्य के सिद्धांत, परिलक्षण करवण
October	मौर्य साम्राज्य का उत्थान, गुप्त धर्म का वर्णन, सातवाहन धर्म का काल, दक्षिण में संगम काल का वर्णन,
November	मानविक: अरीक के साम्राज्य विस्तार हाउस शिवालय, कुम्हार साम्राज्य का विस्तार, अरीक भारत के त्रस्यपाषाण व्यापारिक मार्ग, लघु प्रश्न वारतासाप
December	Exam
January	Exam
February	गुप्त साम्राज्य का उत्थान विस्तार, दक्षिण में शील शय, अशोक के प्रथम काल की शील, चालुक्य, पल्लव और वर्धन वंश का वर्णन, शक, कुट्ट, पालवों एवं अरीक की राजनीति का वर्णन, लिपिनीय संस्कृति का वर्णन, लघु प्रश्न
March	उत्तर भारत में राजपूत राज्यों का उत्थान, अरबी का भारत पर आक्रमण, उत्तर भारत में स्थाई सिद्ध संस्कृति
April	मानविक: दक्षिण में साम्राज्य, अरीक भारत में शील वारण, शक, कुट्ट का साम्राज्य, वारतासाप
May	Exam
June	Exam,

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**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor **Dr. SUKENDER KUMAR**

Class **B.A. Hons. Session 2020-2021**

Paper with Code **संस्कृत का इतिहास**  
**संस्कृत का इतिहास**

Name of Topic

Month	Name of Topic
July	
August	<i>[Handwritten notes in Hindi]</i>
September	<i>[Handwritten notes in Hindi]</i>
October	<i>[Handwritten notes in Hindi]</i>
November	<i>[Handwritten notes in Hindi]</i>
December	<b>Exam</b>
January	<b>Exam</b>
February	<i>[Handwritten notes in Hindi]</i>
March	<i>[Handwritten notes in Hindi]</i>
April	<i>[Handwritten notes in Hindi]</i>
May	<b>Exam</b>
June	<b>Exam</b>

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mahender Kumar

Paper with Code \_\_\_\_\_ Class B.A. 1st Year Session 2020-2021

Month	Name of Topic
July	
August	<p>पुरा पाषाण काल, मध्य पाषाण काल नवपाषाण काल सभ्यता, इंडिया सभ्यता, वैदिक सभ्यता, जैन व बौद्ध धर्म, स्त्रीत आन्दोलन।                      पाषाण काल का विस्तार से वर्णन, इंडिया सभ्यता विस्तार से वर्णन                      वैदिक काल का वर्णन - वारिहालाय व परीक्षण करवाया</p>
September	<p>उ-II चिकित्सा कृमि मृदा माण्ड वर्णन, बौद्ध व महापाषाण काल, महापाषाण काल में जैन धर्म व बौद्ध धर्म का वर्णन - परीक्षण करवाया व वारिहालाय करवाया।</p>
October	<p>उ-III मौर्य साम्राज्य का उदय, गुप्त वंश, सातवाहन का साम्राज्य, दक्षिण में संगम काल का वर्णन, प्रकट सभ्यता वर्णन तथा, वारिहालाय का परीक्षण करवाया।</p>
November	<p>मौर्य विद्रोह करवाये। मौर्य साम्राज्य विस्तार में प्रमुख एवं शिलालेख, कुषाण साम्राज्य का विस्तार, पश्चिम भारत में मौर्यकालीन साम्राज्य का वर्णन, संसु उदय और अस्तित्व। परीक्षण करवाया।</p>
December	Exam
January	Exam
February	<p>उ-I गुप्त साम्राज्य का उदय व विनाश, हरि मौर्य उदय, दक्षिण में चोल राज्य, परीक्षण करवाया।                      उ-II माण्डविक साम्राज्य का उदय, चालुक्य पल्लव मौर्य वर्णन वर्णन करवाये।</p>
March	<p>शक कुल, पल्लव वंश एवं हरिहारा की राजनीतिक वर्णन करवाया, निपक्षीय संघर्ष करवाया, वारिहालाय करी,                      उ-III उदय भारत में शक कुल राज्य का उदय, उदय का भारत पर आक्रमण,</p>
April	<p>उत्तरी भारत में शक के विद्रोह संघर्ष तुर्क-अफगान शासकों की स्थापना                      उ-IV मानसिक - हरिवर्ष नवसाम्राज्य, पश्चिम भारत में शक वर्णन, सभ्यता का उदय।</p>
May	Exam
June	Exam

  
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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Vandana Class - B.COM(CA)1ST SEM Session - 2020-2021  
Paper with Code- Fundamentals of computer (19BC-105)

Month	Name of Topic
July	
August	
September	
October	
November	<u>UNIT-1</u> Introduction of computer: Organisation, Characteristics, Types of computers, Types of Memory, Hardware and Software. <u>UNIT-2</u> Operating System: Introduction of OS, Types of OS, Function of OS, MS-DOS Internal commands: chdir, cls, path, prompt, label, ver, bol, echo, set, External Commands: Scandisk, discopy, diskcomp, format, backup, restore.
December	Windows-window Explorer, Print Manager, Control Panel, Paint Brush, Dialog box-Text box, Check box, slide box, Desktop. <u>UNIT-3</u> MS Office: Introduction of word Processing, MS-WORD; Creating, Editing, printing, Page Formatting, Sorting and Tables, Mail-merge.
January	Ms Excel- Introduction to spread sheet, Creating, Editing, printing, Formatting of Worksheets, Preparation of Graphs. <u>UNIT-4</u> Data Communication and Networks: Data Communication Concepts, Modems, Modes, Multiplexers, Networking-Need, Types of Network, Distributed Networking, Client-Server Concepts, OSI Models
February	REVISION
March	
April	
May	
June	

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Nandana  
 Paper with Code - Operating Systems (19BCVC-102) Class- B.COM(CA)1ST SEM Session- 2020-2021

Month	Name of Topic
July	
August	
September	
October	
November	<u>UNIT-1</u> Introduction to various categories of software: Application software and system software, operating system and its functions, interaction of operating system with user programs components of operating system, memory management, file management. Introduction to DOS, DOS commands-move, copy, rename, delete files in DOS.
December	<u>UNIT-2</u> Device management, control of various devices, device drivers, BIOS, DOS internal & external commands, restore and backup commands, DOS interrupts. Multi-user, multi-tasking, multi-processing and real time OS. Brief introduction to memory management techniques.
January	<u>UNIT-3</u> File system, file management, process management and Scheduling, multi-Processing OS, Introduction to UNIX operating system. <u>UNIT-4</u> Introduction to Data processing, records and file data collection, presentation, verification, editing and checking. Business files, introduction to data structure, elements fields and records, classification of files, master file and transaction file.
February	REVISION
March	
April	
May	
June	

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Professor Dr. Jyoti Kaur  
Paper with Code Database Management System (ISBCVAC-212) Class BCUM(CA)2ND SEM Session 2024-25

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	<p><u>AM11</u> Introduction to database components of database attributes of DBMS, different needs of databases, three tier scheme, its benefits, advantages and disadvantages of database, RDBMS comparison with traditional file system</p> <p><u>AM12</u> Database design and RDBMS: Constraints (K, A, uniqueness, R), Issues: Relational Schemas, introduction to (A), Relational database model, logical view of data, keys integrity rules</p>
May	<p>Relational Database design: features of good relational database design, atomic domain and Normalization</p> <p><u>AM13</u> Different approaches to DBMS Structure (Query, Application, 3PL, and 4PL), Database Security and Backup</p>
June	<p><u>AM14</u> Accessor management, SQL, Accesses, scalability and concurrency control, Lock based concurrency control, 2PL, 3PL, 4PL, Time stamping method, optimistic methods, database backup management</p>

Dr. Jyoti Kaur

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Veena  
 Paper with Code-Computer Aided Drafting & Advanced Topics in Computer-I (A.5.05) Class-B.COM(CA)5th SEM Session-2020-21

Month	Name of Topic
July	
August	
September	
October	
November	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.
December	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
January	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. 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
February	
March	
April	
May	
June	

*Veena*



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor V. S. D. S.

Paper with Code Essentials of E-Commerce (A-516) Class-B (COM) 4<sup>TH</sup> SEM Session-2020-21

Month	Name of Topic
July	
August	
September	
October	
November	<p>Unit - II</p> <p>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, B2G, G2C, 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</p>
December	<p>Unit - III</p> <p>Business to Business Electronic Commerce, Inter organization Transactions, Introduction to Electronic Market, Online Shopping, Online Purchasing, Models of Electronic Market, Markets Category, E-Business, B2B E-Commerce, B2B Application, B2B Electronic Commerce requirements, Virtual Supply Technologies, Electronic Applications Categories, Electronic Tailing, E-Tailing 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</p>
January	<p>Unit - III</p> <p>Business to Commerce electronic commerce, Definition, e-shop, Internet Shopping and the Trade cycle, Advantages and disadvantages of consumer e-Commerce Electronic Payment Systems, Introduction, Traditional Payment Systems, Modern Payment system, PC Banking, Credit cards, Electronic Cheque, Micro payments, Smarts cards, E-cash, EFT Security Schemes, Encryptions, 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, A, C)</p> <p>Unit - IV</p> <p>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 of the Internet, Internet for Business, TCP/IP and OSI Model protocol, Broad Band Technology, Supply chain management, Definition, Different categories of supply chain, Functions of SCM, Benefits of SCM</p>
February	
March	
April	

*V. S. D. S.*

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor V. Chandan

Paper with Code-(A 6 05) Computer Aided Drafting & Advanced Topics in Computer-II Class-B.COM(CA)6th SEM Session-2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	Unit - I Computer Aided Design: Implementations of CAD, Features of CAD, Future of CAD, Artificial Inelegancy(AI) for intelligent and manufacturing, Element of AI, Knowledge based Expert System, Machine Vision System, Neural Networks.
May	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.
June	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 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

*Chandan*



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor M. S. Varma,

Paper with Code: Software Engineering class: Bsc CS 6th sem Session : 2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	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. Software Requirement Analysis: Structured analysis, object-oriented analysis and data modelling, software requirement specification, validation.
May	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. Software Project Management: Planning a software project, Software cost estimation, project scheduling, personnel planning, team structure.
June	Software configuration management, software quality and quality assurance, project monitoring, risk management. 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.

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Kande

Paper with Code: VISUAL BASIC PROGRAMMING class: Bsc CS 6th sem Session : 2020-21

Month	Name of Topic
July	
August	
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November	
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March	
April	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.
May	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: 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.
June	Arrays: Declaring and using arrays, one-dimensional and multidimensional arrays, Static and dynamic arrays, Arrays of array. 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.

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

*M. K. K...*

Paper with Code Introduction to Internet and Web Technologies ( ) Class BSc. (CS) 5th sem Session 2020-21

Month	Name of Topic
July	
August	
September	
October	
November	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.
December	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
January	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.
February	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
March	
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# VAISHI COLLEGE, BHILWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor \_\_\_\_\_

*M. K. Sharma*

Empire with File Database Management System I of Class BSc. II of 100 Marks - 2005-2006

Name of Deptt \_\_\_\_\_

Month  
Date  
August  
September  
October

November

**UNIT I**

Basic Concepts Data Information Basics & File Traditional File Based Systems - File Based Approach Limitations of File Based Approach 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 Data Base Administration

December

**UNIT II**

Centralized and Client Server DBMS Architectures Database System Architectures Hierarchical & Rel Architecture External Conceptual and Internal Levels Schemas Mapping and Instances Data Independence Logical and Physical Data Independence Data Models Atomic Based Data Models Object Based Data Models Physical Data Models and Conceptual Modeling Hierarchical, Network and Relational Models

January

**UNIT III**

Entity Relationship Models Entity Types and Entity Sets Attributes and Keys Relationship and Relationship sets Role Names & Semantics Relationship and Structural Constraints and Integrity Constraints using E-R Diagrams Relational Data Models Introduction to Proposed Relations Keys Integrity Constraints over Relations Views Relational Database Design Fundamental Dependence Normalization 1st to 3rd Normal Form BCNF Lossless Join and Dependency Preserving Decomposition

February

**UNIT VI**

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 Functions String Functions Command, Rollback Save Points Views Introduction Advantages of Creating Views Features Creating/ Altering Tables and Views

March

April

May

June

*M. K. Sharma*  
Vaishi College,  
Bhilwani

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor M. V. S. S.

Paper with Code: Data Structures With C/C++ ( ) Class: Bsc CS 4th sem Session : 2020-21

Month	Name of Topic
July	
August	
September	
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November	
December	
January	
February	
March	
April	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, 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
May	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, Tree structures: Basic terminology, binary trees and binary search trees, implementing binary trees, Tree traversal algorithms, threaded trees, tree search algorithms, AVL Trees, Polish notation and expression trees, applications of binary trees
June	Graph: data structure and their applications, Graph traversals, shortest paths, spanning tree, and related algorithms, Sorting: Internal and external sorting, Various sorting algorithms, Time and Space complexity of algorithms, Searching techniques, Applications of Sorting and Searching in computer science

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: N. Singh

Paper with Code: Operating system ( ) Class: Bsc CS 4th sem Session: 2020-21

Month	Name of Topic
July	
August	
September	
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November	
December	
January	
February	
March	
April	<p>Introduction, 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 OS service system calls, system programs.</p>
May	<p>CPU Scheduling: Scheduling criteria, Levels of Scheduling, Scheduling algorithms, Multiple processor scheduling, Deadlocks, Deadlock characterization, Deadlock prevention and avoidance, Concurrent Processes, Critical section problem, Semaphores, Classical process co-ordination problems and their solutions, Inter-process Communications.</p>
June	<p>Storage Management: memory management of single-user and multi-user operating system, partitioning, swapping, paging and segmentation, Thrashing, File Management: 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.</p>

*N. Singh*

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

*Ms. Kema*

Paper with Code **Data communication and networking** ( ) Class **BSc. (CS) 3rd sem** Session **2020-21**

Month	Name of Topic
July	
August	
September	
October	
November	<p style="text-align: center;">UNIT - 1</p> <p>Introduction to Computer Communications and Networking Technologies: Uses of Computer Networks: Network Devices, Nodes and Hosts: Types of Computer Networks and their Topologies: Network Architecture and the OSI Reference Model, TCP/PI reference model.</p>
December	<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; Data Network; Analog Modem Concepts.</p>
January	<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>
February	<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>
March	
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*Kema*

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## LESSON PLAN PERFORMA

Name of Assistant Associate Professor \_\_\_\_\_

Paper with Code Programming in C ( ) Class BSc. (CS) 2nd sem Session 2020-21

Month	Name of Topic
July	
August	
September	
October	
November	
December	
January	
February	
March	
April	<p>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.</p> <p>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</p>
May	<p>, Data types: declaration and definition. Operators: Arithmetic, relational, logical, bitwise, unary, assignment and conditional operators and their hierarchy &amp; associativity, input output statements, Arithmetic Expression, Evaluation of Arithmetic Expression, Type-casting and Conversion.</p> <p>UNIT-III Decision making and branching: Decision making with if statement, if-else statement, nested if, else-if ladder, switch statement, goto statement.</p>
June	<p>Decision making and looping: for, while, and do-while loop; Jumps in loop, break, continue. Functions: Definition, prototype, passing parameters, Recursion.</p> <p>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</p>

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: \_\_\_\_\_

*P. P. Singh*

Paper with Code: **STRUCTURED SYSTEMS ANALYSIS AND DESIGN ( )** Class BSc. (C.B.) 2nd sem Session 2020-21

Month	Name of Topic
July	
August	
September	
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November	
December	
January	
February	
March	
April	<p style="text-align: center;"><b>UNIT-I</b></p> <p>Introduction to systems, 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</p> <p style="text-align: center;"><b>UNIT-II</b></p> <p>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</p>
May	<p>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.</p> <p style="text-align: center;"><b>UNIT-III</b></p> <p>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,</p>
June	<p>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.</p> <p style="text-align: center;"><b>UNIT-IV</b></p> <p>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.</p>

*H. Singh*

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor \_\_\_\_\_

*P. S. Singh*

Paper with Code / Computer architecture (12) / Unit (1) / (2) / (3) / (4) / (5) / (6) / (7) / (8) / (9) / (10) / (11) / (12)

Month	Name of Topic
July	
August	
September	
October	
November	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
December	Arithmetic Circuits: Adder, Subtractor, parallel Binary adder/subtractor, Binary Multiplier and Divider, Combinational Circuits: Encoder and Decoder, Multiplexer and Demultiplexer circuits, Design of code converters
January	Sequential Circuits: Flip-flop-S-R, D, J-K, T, Clocks 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
February	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
March	
April	
May	
June	

*P. S. Singh*  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor Dr. Anil Kumar

Paper with Code Computer Fundamentals & MS-Office Class BSA-10 & sem Session 2021-22

Month	Name of Topic
July	
August	
September	
October	
November	<p>Introduction: Historical evolution of computers, Classification of computers, Block Diagram along its components and characteristics, categories 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.</p>
December	<p>Input/Output Devices: Keyboards, mouse, trackballs, trackballs, digitizer, voice-recognition, optical-recognition, scanners, terminals, point-to-point terminals, machine-visual systems, flat-bed devices, impact printers - DPMs, DPMs, DPMs, dot-matrix printers, line printers, Non-impact printers - Inkjet, Laser, Thermal, LED, Printers, Soft-copy devices, Monitors, video-standards VGA and SVGA.</p> <p>Memory &amp; Mass Storage Devices: Characteristics of memory systems, types of memory, RAM, ROM, magnetic disks - floppy disk, hard-disk, optical disks - CD, CD-R, CD-RW, Magnetic tapes, Concepts of Virtual and Cache memory.</p>
January	<p>Software Concepts: Introduction, types of software - System &amp; application software, Language translators - Compiler, Interpreter, Assembler, Operating system - Characteristics, bootstrapping, types of operating, operating system as a resource manager, BIOS, System utilities - Editor, Label, Linker, File Manager, Concepts of S.I., S.I. standards, Introduction to Algorithms &amp; Flowcharts, Advantages &amp; Disadvantages.</p>
February	<p>MS-OFFICE, MS-Word - Creating a document, font operation, bulle and numbering, find &amp; replace, hyper linking, mathematical operation, Create table and flow chart, Macro, Mail merge, Correcting grammar, notes, files, difference between doc and docx, MS-PowerPoint - Creating single and multiple slide, Animation, manual and automatic slide show, hyper linking, PDF, share and share MS-Excel - Create sheet and rename sheet, table and operation, cells operation, hyper linking, Function, mathematical, logical, sort and data tools, protection sheet, workbook.</p>
March	
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May	
June	

Dr. Anil Kumar  
 5-10-22

# VAISHI COLLEGE, BHIVANI

## LESSON PLAN PERFORMA

Course: B.A. Assistant Associate Professor: G. S. Vajalli

Paper code: B.A. 101-PC-200-1W-01

Class: B.A. 1st

Session: 2023-24

Month	Name of the Topic
November	MS Windows: Operating system Definition & functions, Levels of Windows, Basic components of windows, icons, types of icons, taskbar, minimizing windows, using desktop, title bar, running applications, explaining shortcuts, 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.
December	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, Auto correct, Spelling and Grammar tool, Document Properties, Page Formatting, Bookmark, Previewing and printing document, Advanced Features of MS Word Mail Merge, Macros, Tables, File Management, Printing, Styles, Linking and embedding object, Templates.
January	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, Advanced 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.
February	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.
March	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mrs. Manisha

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

Session: 2020-2021

Class: BCA 1st

Month	Name of the Topic
November	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
December	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.
January	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 bottomup programming, Advantages and disadvantages of Structured programming.
February	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
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Mr. Bhanwar

Paper with Code: BCA-103: MATHEMATICS

Class: BCA 1st

Session: 2020-2021

Month	Name of the Topic
November	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.
December	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
January	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.
February	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
March	Exams

  
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# 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: 2020-2021

Month	Name of the Topic
November	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
December	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.
January	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.
February	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
March	Exams

  
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**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor: Mr. Pankaj

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

Class: BCA 1st

Session 2020-2021

Month	Name of the Topic
April	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.
May	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  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.
June	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.
July	Exams

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Anurag

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

Class: BCA 1st

Session: 2020-2021

Month	Name of the Topic
April	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. 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.
May	Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N Counters and Up-Down Counters. Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM, Magnetic and Optical Storage devices, Flash memory, I/O Devices and their controllers.
June	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
July	Exams

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# VAISH COLLEGE, BIHWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Suman

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

Class: BCA 1st

Session 2020-2021

Month

Name of the Topic

April

Basic Statistics: Measure of Central Tendency, Preparing frequency distribution table, Mean, Mode, Median, Measure of Dispersion: Range, Variance and Standard Deviations, Correlation and Regression

May

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.

June

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, Recurrence Relations: LHR, LHRRWCC's, DCRR, Recursive procedures, Number Theory: Principle of Mathematical induction, GCD, Euclidean algorithm, Fibonacci numbers, congruences and equivalence relations, public key encryption schemes

July

Exams

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**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor: Ms. Pooja Rathi

Paper with Code : BCA-109 : Structured Systems Analysis and Design

Class: BCA 1st

Session 2020-2021

Month	Name of the Topic
April	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, Fact analysis, Determination of feasibility
May	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, 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.
June	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, 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.  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
July	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Mrs. Manisha

Subject Code: BCA-201 INTRODUCTION TO OPERATING SYSTEM

Class: BCA 2nd

Version: 1.0

Month	Name of the Topic
November	Fundamentals of Operating system: Introduction to Operating System, its test and operating System services, Early systems, Structures - Simple Batch, Mult. programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems.
December	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.
January	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
February	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.
March	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 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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.
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Nandini

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

Class: BCA 2nd

Session 2022/23

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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.
March	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

1. Lecturer/Teacher/Professor: Dr. Divyanka Subag

2. CLASS: B.A. POLY COMMUNICATION SKILLS

3. X/20

Session: AXX-AXI

Month	Name of the Topic
November	Introduction to <u>Basics of Communication</u> : Communication and its various definition, features/characteristics of the communication, process of communication, communication model and theories, Barrier to effective communication
December	Improving I SRW: <u>Introduction, verbal and nonverbal communication, listening process, group discussion, forms of oral presentation, self presentation, dyadic communication, SC's of communication, Developing dialogues, soft skill</u>
January	<u>Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings.</u> <u>Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses ... ) language games.</u>
February	<u>Effective use of Language: The Communication Skills, The effective Speech</u> <u>Effective self presentation &amp; facing interview: The interview process &amp; preparing for it, The presentation skills.</u>
March	Exams

  
 Lecturer/Teacher/Professor  
 Dr. Divyanka Subag

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Kirti Sanja

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

Class: BCA 2nd

Session 2020-2021

Month	Name of the Topic
April	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. Web Publishing: Hosting your Site; Internet Service Provider; Web terminologies, Phases of Planning and designing your Web Site; Steps for developing your Site
May	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). 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
June	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.
July	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Anurag

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

Class: BCA 2nd

Session: 2020-2021

Month	Name of the Topic
April	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.
May	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: Liner search, binary search, merging, Comparison of various sorting and searching algorithms on the basis of their complexity.
June	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. File organization: Serial, Sequential, Indexed-sequential, Random-access/Direct, Inverted, Multilist file organization. Hashing: Introduction, Hashing functions and Collision resolution methods.
July	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Pankaj

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

Class: BCA 2nd

Session 2020-2021

Month	Name of the Topic
April	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. Abstracting Mechanism: classes, private and public, Constructor and Destructor , member function, static members, references
May	Memory Management: new, delete, object copying, copy constructor, assignment operator, this input/output. Inheritance and Polymorphism: Derived Class and Base Class, Different types of Inheritance
June	Overriding member function, Abstract Class, Public and Private Inheritance, Ambiguity in Multiple inheritance , Virtual function, Friend function, Static function. 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.
July	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Kirti Bansal

Paper with Code: BCA-209: SOFTWARE ENGINEERING

Class: BCA 2nd

Session: 2023-24

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

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## LESSON PLAN PERFORMA

Name of Assistant Associate Professor: Ms. Anjali

Subject with Code: BCA-301 MANAGEMENT INFORMATION SYSTEM

Class: BCA 3rd

Session: 2020-2021

Month	Name of the Topic
November	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.
December	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
January	Developing Information Systems: Analysis & Design of Information Systems: Implementation & Evaluation, Pitfalls in MIS Development.
February	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
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Manoj

Paper with Code: BCA-302: COMPUTER GRAPHICS

Class: BCA 3rd

Session 2020-2021

Month	Name of the Topic
November	<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>
December	<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>
January	<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>
February	<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>
March	Exams

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Pankaj

Paper with Code: BCA-303: DATA COMMUNICATION AND NETWORKING

Class: BCA 3rd

Session: 2020-2021

Month	Name of the Topic
November	Introduction to Computer Communications and Networking Technologies; Uses of Computer Networks; Network Devices, Nodes, and Hosts; Types of Computer Networks and their Topologies; Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services; Network Applications and Application Protocols; Computer Communications and Networking Models: Decentralized and Centralized Systems, Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web- Based Model, Network Architecture and the OSI Reference Model, TCP/IP reference model, Example Networks: The Internet, X.25, Frame Relay, ATM.
December	Analog and Digital Communications Concepts: Concept of data, signal, channel, bid-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; Dialup Networking; Analog Modem Concepts; DSL Service.
January	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.
February	Network Layer and Routing Concepts: Virtual Circuits and Datagrams; 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.
March	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: 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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.
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Pooja Rathi

Paper with Code: BCA-306: E-COMMERCE

Class: BCA 3rd

Session 2020-2021

Month	Name of the Topic
April	<b>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.</b> Value Chains in electronic Commerce, Supply chain, Porter's value chain Model, Inter Organizational value chains, Strategic Business unit chains, Industry value chains
May	<b>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.</b> <b>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.</b>
June	<b>Electronic Payment System: Electronic Cash, Electronic Wallets, Smart Card, Credit and Charge Card.</b> <b>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.</b>
July	Exams

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Ms. Kirti Saneja

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

Class: BCA 3rd

Session: 2020-2021

Month	Name of the Topic
April	<p>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.</p> <p>Java Language Basics: Introduction To Java, Basic Features, Java Virtual Machine Concepts, Primitive Data Type And Variables, Java Operators, Expressions, Statements and Arrays.</p>
May	<p>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.</p> <p>Inheritance and Polymorphism: Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword.</p> <p>Packages: Defining Package, CLASSPATH, Package naming, Accessibility of Packages , using Package Members.</p> <p>Interfaces: Implementing Interfaces, Interface and Abstract Classes, Extends and Implements together.</p>
June	<p>Exceptions Handling: Exception, Handling of Exception, Using try-catch, Catching Multiple Exceptions , Using finally clause , Types of Exceptions, Throwing Exceptions, Writing Exception Subclasses.</p> <p>Multithreading Introduction , The Main Thread, Java Thread Model, Thread Priorities, Synchronization in Java, Inter thread Communication.</p> <p>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.</p> <p>Strings and Characters: Fundamentals of Characters and Strings, The String Class , String Operations , Data Conversion using Value Of ( ) Methods , String Buffer Class and Methods.</p>
July	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Anurag

Paper with Code : BCA-308 : ARTIFICIAL INTELLIGENCE

Class: BCA 3rd

Session 2020/2021

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

**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor: Ms. Kirti Bansal

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

Class: BCA 3rd

Session 2020-2021

Month	Name of the Topic
April	<p>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 &amp; type distinction. Types &amp; Object in .Net, the evolution of Web development.</p> <p>Class Libraries in .Net, Introduction to Assemblies &amp; Manifest in .Net, Metadata &amp; attributes. Introduction to C#: Characteristics of C#, Data types: Value types, reference types, default value, constants, variables, scope of variables, boxing and unboxing.</p>
May	<p>Operators and expressions: Arithmetic, relational, logical, bitwise, special operators, evolution of expressions, operator precedence &amp; associativity, Control constructs in C#: Decision making, loops, Classes &amp; methods: Class, methods, constructors, destructors, overloading of operators &amp; functions</p>
June	<p>Inheritance &amp; polymorphism: visibility control, overriding, abstract class &amp; methods, sealed classes &amp; methods, interfaces.</p> <p>Advanced features of C#: Exception handling &amp; error handling, automatic memory management, Input and output (Directories, Files, and streams).</p>
July	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MS. MONIKA

Paper with Code : Business Mathematics 19BBA102

Class BBA 1<sup>st</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Concept of present value and amount of a sum; Types of annuities; Present value and amount of an annuity; Continuous compounding; Valuation of simple loans and debentures.; Simple interest and compound interest
December	<b>UNIT-II</b> Planning and decision making – concept, purpose and process of planning, kinds of plans, strategic planning, operational planning, goal setting, decision making – nature and process, behavioural aspects of decision making, forms of group decision making in organizations
January	<b>UNIT-III</b> Organizing and leading elements of organizing – division of work, departmentalization, distribution of authority, coordination; organization structure and design; leadership – nature and significance, leadership styles, behavioural and situational approaches to leadership.
February	<b>UNIT-IV</b> Management control – nature, purpose and process of controlling, kinds of control system, prerequisites of effective control system, resistance to control, controlling techniques, social audit.

VAISH COLLEGE BHIWANI

*MS. MONIKA*  
Principal



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

DR. SATBIR

Paper with Code : MICRO ECONOMICS

19BBA103

Class BBA 1<sup>st</sup> Sem.

Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Nature and scope of micro economics, determinants of demand and law of demand, elasticity of demand & its types, law of supply, elasticity of supply; consumer's equilibrium- utility and indifference curve approaches.
December	<b>UNIT-II</b> Short run and long run production functions, laws of returns; law of variable proportion; classification of costs; short run and long run cost curves and their interrelationship; internal and external economies of scale, revenue curves; optimum size of the firm; factors affecting the optimum size.
January	<b>UNIT-III</b> Equilibrium of the firm and industry - perfect competition, monopoly, monopolistic competition, discriminating monopoly, aspects of non-price competition and oligopolistic behaviour.
February	<b>UNIT-IV</b> Factors of production, Marginal productivity theory and modern theory of distribution; Determination of rent; Alternative theories of interest and wages.

VAISH COLLEGE BHIWANI

*Satbir*  
Principal

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

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

Paper with Code, 19BBA104

BBA 1st

### SEMESTER- 1st

Month	Name of Topic
November	Basic grammatical concepts and common errors. Tenses, Modals, Passive Voice, Prepositions, Punctuation, Relative Clause, Reported speech, Speech acts, Tags
December	Listening: Barriers to Listening, Academic Listening, Listening to Talks and Descriptions, Listening to Announcements, Listening to News on the Radio and Television Listening
January	Written Skills: Note making, note taking, Letter Writing in Email format, Précis of a given passage, Speech writing, Article writing.
February	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.
March	Revision of Full Syllabus. Taking Class Test & Power Point Presentation.
<b>Examination</b>	

VAISH COLLEGE

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND

Paper with Code

FINANCIAL ACCOUNTING

19BBA105

Class BBA 1<sup>st</sup> Sem.

Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Meaning and scope of accounting, nature of financial accounting principles, basis of accounting; accounting process - Preparation of Journal, Preparation of Ledger including three columnar cash book, Preparation of Trial Balance and adjustment entries.
December	<b>UNIT-II</b> Depreciation accounting; preparation of final accounts (non-corporate entities) alongwith major adjustments.
January	<b>UNIT-III</b> Rectification of errors; accounts of non-profit organization, joint venture accounts.
February	<b>UNIT-IV</b> Hire purchase, lease and installment purchase system accounting; consignment accounts.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. RITESH

Paper with Code Computer Application in Management

19BBA106

Class BBA 1<sup>st</sup> Sem

Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Computer organization: Introduction, components, classification, capabilities characteristics & limitations, Operating systems , Computer Languages& types; storage devices; application of computer in Business
December	<b>UNIT-II</b> Use of MS-Office: Basics of MS-Word, MS-Excel and MS-Power Point; Applications in documentation preparation and making reports; preparation of questionnaires, presentations, tables and graphs.
January	<b>UNIT-III</b> Internet: Internetworking, Concepts, Internet Protocol Addresses, WWW Pages & Browsing, Security, Internet Applications, Analog& Digital Signals, Bandwidth, Network Topology, Packet Transmission, Long Distance communication, Network Applications. E-mail.
February	<b>UNIT-IV</b> Introduction to database: Concept, characteristics, objectives, Advantage & limitations, entity, attribute, schema, subschema.

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: MR. VISHNUKANT  
Paper with Code: ORGANIZATION BEHAVIOUR (988A/21)  
Class: BBA 2<sup>nd</sup> Sem. Session: 2020-21

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

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MS. RINKU

Paper with Code

BUSINESS STATISTICS

198BA202

Class BBA 2<sup>nd</sup> Sem.

Session

2020-21

Month	Name of Topic
April	<b>Unit 1</b> 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.
May	<b>Unit 2</b> 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.
June	<b>Unit 3</b> 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. <b>Unit 4</b> Correlation- meaning, types, Carl Pearson coefficient of correlation, Spearman's rank correlation, regression analysis, time series analysis.

VAISH COLLEGE, BHIWANI

*MS. RINKU*  
Principal

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MS. RINKU

Paper with Code : MACRO ECONOMICS

1988A203

Class BBA 2<sup>nd</sup> Sem.

Session 2020-21

Month	Name of Topic
April	<b>UNIT-I</b> 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.
May	<b>UNIT-II</b> Macro analysis of consumer behaviour, income consumption relationship, absolute, relative and permanent income hypothesis; Concept of Investment & its types, Investment function. <b>UNIT-III</b> Fiscal policy: Objectives, Instruments and its role in growth and price stability, Public debt: nature and management; business taxation - types, rationale and incidence.
June	<b>UNIT-IV</b> 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.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code : BUSINESS COMMUNICATION

19BBA204

Class BBA 2<sup>nd</sup> Sem.

Session 2020-21

Month	Name of Topic
April	<b>UNIT-I</b> Business Communication: Nature and process, forms of communication, role of communication skills in business, communication networks, barriers to communication  <b>UNIT-II</b> Communication Skills: Listening skills, cognitive process of listening, barriers to listening, reading skills, speaking skills, public speaking, Keynesian and paralanguage.
May	<b>UNIT-III</b> 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.
June	<b>UNIT-IV</b> Business Meeting, brochures, issuing notice and agenda of meeting and recording of minutes of meetings, email and telephone etiquette, interview and presentation skills.



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. ANAND

Paper with Code MIS FUNDAMENTALS

19BBA205

Class BBA 2<sup>nd</sup> Sem.

Session 2020-21

Month	Name of Topic
April	<b>Unit- I</b> 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
May	<b>Unit- II</b> 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
June	<b>Unit- III</b> 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 <b>Unit- IV</b> 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)

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. RITESH

Paper with Code : COMPUTERIZED ACCOUNTING SYSTEM

19BBA206

Class BBA 2<sup>nd</sup> Sem.

Session 2020-21

Month	Name of Topic
April	<ol style="list-style-type: none"><li>1. Basic introduction of Tally</li><li>2. Creation of Company</li><li>3. Creation of Groups and Accounts</li><li>4. Trail Balance</li></ol>
May	<ol style="list-style-type: none"><li>1. Designing and Creating Vouchers- Sales, Purchases, Sales return, Purchase Return, Salesorder, Purchase Order, Contra, Journal.</li><li>2. Processing for Reports to prepare ledger Accounts</li><li>3. Balance sheet</li><li>4. Profit &amp; Loss</li></ol>
June	<ol style="list-style-type: none"><li>1. Enter the data through bank receipt, bank payment, cash receipt, cash payment</li><li>2. Bank Reconciliation</li><li>3. Maintain Cost Center</li><li>4. Maintain payroll transactions and maintain payroll control system</li><li>5. Maintain Budget</li><li>6. Manufacturing (Bill of Material)</li><li>7. Introduction to GST</li><li>8.</li></ol>

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor *Dr. Pramila Dahiya Dubag*

Paper with Code **19BBA301** **BBA 2nd**  
**SEMESTER IIIrd**

Month	Name of Topic
November	Introduction: Nature and Scope of Human Resource Management, HRM objectives and functions, HRM policies, HRM in globally competitive environment, strategic human resource management
December	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
January	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
February	Enhancing and rewarding performance: establishing the performance management system, establishing rewards and pay plans, employee benefits, ensuring a safe and healthy work environment
March	Revision of Full Syllabus. Taking Class Test & Power Point Presentation
<b>Examination</b>	

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Anand

Paper with Code 19BBA302

Class BBA 3<sup>rd</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Evolution, scope and function of finance managers, objectives of financial management, profit vs. wealth maximization
December	<b>UNIT-II</b> 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)
January	<b>UNIT-III</b> Financing decision: operational and financial leverage; capital structure theories - NI, NOI and traditional approach; EPS-EBIT Analysis
February	<b>UNIT-IV</b> 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)



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Vishnukant

Paper with Code Marketing Management 19BBA303

Class BBA 3<sup>rd</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Introduction to Marketing; difference between marketing and selling; core concepts of marketing; marketing mix; marketing process; marketing environment
December	<b>UNIT-II</b> 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
January	<b>UNIT-III</b> Product and product line decisions; branding decisions; packaging and labelling decisions; product life cycle concept; new product development; pricing decisions
February	<b>UNIT-IV</b> 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

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code Business Research Methods

19BBA304

Class BBA 3<sup>rd</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> 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.
December	<b>UNIT II</b> 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.
January	<b>UNIT III</b> 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.
February	<b>UNIT IV</b> 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.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code Environmental Studies 198BA305

Class BBA 3<sup>rd</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> 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	<b>UNIT-II</b> 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	<b>UNIT-III</b> 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	<b>UNIT-IV</b> 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.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Pankaj Dixit

Paper with Code E-business & Cyber Security 19BBA306

Class BBA 3<sup>rd</sup> Sem. Session 2020-21

Month	Name of Topic
November	<b>UNIT-I</b> Background and Current Status of E-Business, Enabling Technologies, E-Business Infrastructure, E-Business Design.
December	<b>UNIT-II</b> E-Business Models, E-Marketing, E-CRM, E-SCM, E-Procurement, E-Payment System, ERP.
January	<b>UNIT-III</b> Cyber Security: Perspective of Cyber security, Application security, Information security, Network security, Cryptography/Encryption, Security threats in E-Business.
February	<b>UNIT-IV</b> Ethical Responsibility: Business Ethics, Technology Ethics; Cyber Crime& its types, hacking, virus, worm, Trojan horse, malware, cyber homicide and other threats to IT infrastructures, Information Technology Act, 2000, IT (Amendment) Act.



# VAISH COLLEGE, BHIVANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

100 Ashwin

Paper with Code : CORPORATE RESPONSIBILITY & BUSINESS ETHICS

19990101

Class BBA 4th Sem.

Session 2024-25

Month	Name of Topic
April	<b>Unit-1</b> Introduction: Values, Core-ethi, types and formation of values, ethics, values and behaviour, Values of Indian Managers, Ethics, Characteristics of ethics, ethics in business, making and decision making process, relevance of ethics and values in business, Management of Ethics, Management process and ethics, management performance, ethical issues
May	<b>Unit-II</b> Corporate Responsibility & Corporate Practices Corporate responsibility of business: employees, consumers and community, Corporate Governance, Code of Corporate Governance, Conservation, social issues, in sales, manufacturing and technology.
June	<b>Unit-III</b> Understanding Progress, Goals & Managing Transforming Progress and Goals definition, functions of progress, transformation, need for transformation, process & challenges of transformation Understanding Success Definition of success, principles for competitive success, prerequisites to create value from success Successful stories of business gurus <b>Unit-IV</b> Knowledge and Wisdom: Meaning of knowledge and wisdom, difference between knowledge and wisdom, knowledge work versus wisdom work, strategy of knowledge management and wisdom management, wisdom based management

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MIR. ANAND GARG

Paper with Code : MANAGEMENT ACCOUNTING

19BBA402

Class BBA 4th Sem.

Session 2020-21

Month	Name of Topic
April	<b>UNIT-I</b> Management Accounting: - Meaning, nature, scope, objective and functions; marginal costing and profit planning, practical application of marginal costing techniques
May	<b>UNIT-II</b> Responsibility Accounting: - types of responsibility centres, performance evaluation criteria, responsibility reporting: budgeting – role of budgets and budgeting in organizations, budgeting process, operational and financial budgeting
June	<b>UNIT-III</b> Nature and types of Financial Statements; techniques of financial statement analysis, ratio analysis, fund flow and cash flow analysis, techniques in performance measurement <b>UNIT-IV</b> Management accounting information for activity and process decisions; basic capital budgeting techniques

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code : SALES MANAGEMENT

19BBA403

Class BBA 4th Sem.

Session 2020-21

Month	Name of Topic
April	<p>UNIT I Sales Management: Objectives, Types of Personal Selling objectives, Market Potential, Sales potential, Sales Forecast, Analyzing Market Potential, Market Indexes, Sales Forecasting Methods.</p> <p>UNIT II Nature of Sales Management Positions, Functions of the Sales Executive, Qualities of Effective Sales Executives, Sales Organization, Purpose, Setting up a Sales Organization, Basic types of Sales Organizational Structures, Organization of the sales department, Schemes for dividing Line Authority in the Sales Organization.</p>
May	<p>UNIT III Sales Force Management, Job Analysis, Job Description, Organization for Recruiting and Selection, Sources of Sales Force Recruits, The Recruiting Effort, Selecting Sales Personnel, Training, Selecting Training Methods, Organization for Sales Training, Evaluating Sales Training Programs, Motivation, Motivational Help from Management, Requirements of a Good Sales Compensation Plan, Devising a Sales Compensation Plan, Types of Compensation Plans, Fringe Benefits.</p>
June	<p>UNIT-IV The Sales Budget: Purpose of the Sales Budget, Form and Content, Budgetary Procedure, Quotas: Objectives in using Quotas, Types of Quotas and Quota Setting Procedures, Sales Territories: Sales Territory Concept, Reasons for Establishing Sales Territories, Procedures for Setting up Sales Territories, Routing and Scheduling Sales Personnel.</p>

VAISH COLLEGE B





# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. SAURABH

Paper with Code : INTRODUCTION TO BUSINESS ANALYTICS

19BBA405

Class BBA 4th Sem.

Session 2020-21

Month	Name of Topic
April	UNIT 1 Introduction to Business Analytics: Definition, Applications, Objectives, Analysis vs Analytics, Analytics and Competitive Advantage, Different types of Data, Big data.
May	UNIT 2 Descriptive Analytics: Introduction, Visualising and exploring data, Descriptive statistics, Sampling and Estimation, Introduction to Probability Distribution, Tools Application, Correlation and other statistical Tools.
June	UNIT 3 Predictive Analytics: Principles of Forecasting, Predictive Modelling: Logic driven and Data driven Models, Time series, Types of Forecasting, Forecasting Methods and their Characteristics, Trend, Seasonality, Cyclist, Hold winner Forecasting method. UNIT-IV Prescriptive Analytics: Business rule algorithms, nonlinear optimization, Machine learning and Artificial Intelligence, Computational Modelling. Ethics and Analytics: Data collection and Protection laws, Ethical Use of Analytics, Analytics and Privacy Principles.

VAISH COLLEGE BHIWANI

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. VISHNUKANT

Paper with Code : Production & Materials Management BBAN-501

Class BBA 5<sup>th</sup> Sem. Session 2020-21

Month	Name of Topic
November	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.
December	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.
January	UNIT-III Materials Management: meaning, objectives, importance, functions and organization materials information system; standardization, simplification and variety reduction; value analysis and engineering.
February	UNIT-IV Stores Management: meaning, objectives, importance and functions, stores layout; classification and codification; inventory control of spare parts; materials logistics/warehousing management, materials handling, traffic and transportation; disposal of scrap, surplus and obsolete materials.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. PIYUSH

Paper with Code : Indian Business Environment

BBAN-503

Class BBA 5<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
November	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.
December	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.
January	UNIT-III Materials Management: meaning, objectives, importance, functions and organization materials information system; standardization, simplification and variety reduction; value analysis and engineering.
February	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.

VAISH COLLEGE

P. Piyush

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MS. POOJA RATHI

Paper with Code : Computer Networking & Internet

BBAN-504

Class BBA 5<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
November	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.
December	UNIT-II OSI model and TCP/IP model, protocols and their classification, flow control and cryptography, routing, Firewall.
January	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.
February	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.

VAISH COLLEGE

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Pooja Rathi



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. VISHNUKANT

Paper with Code :

Presentation Skills & Personality Development

BBAN-505

Class BBA 5<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
November	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.
December	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.
January	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.
February	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.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor

MR. PANKAJ DIXIT

Paper with Code : Cyber Security

BBAN-506

Class BBA 5<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
November	UNIT-I Concept of information society, knowledge society, cyber space, digital economy, critical infrastructure, Critical information infrastructure, internet as global Information infrastructure.
December	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.
January	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.
February	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.

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MR. ANAND GARG

Paper with Code : Income Tax

BBAN-601

Class BBA 6<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
April	UNIT-I Basic concepts of income tax, residential status and tax incidence, income exempted from tax.
May	UNIT-II Income from salaries, income from house property and income from profits and gains of business and profession.
June	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. UNIT-IV Deductions from gross total income, assessment of individuals.

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor MS. POOJA RATHI

Paper with Code : System Analysis & Design BBAN-602

Class BBA 6<sup>th</sup> Sem. Session 2020-21

Month	Name of Topic
April	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.
May	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.
June	UNIT-III Implementation:- data dictionary, decision tables, decision trees, logical design to physical implementation.  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 DR. PROMILA DAHIYA SUHAG

Paper with Code : Foundation of International Business BBAN-603

Class BBA 6<sup>th</sup> Sem. Session 2020-21

Month	Name of Topic
April	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.
May	UNIT-II Foreign market entry modes; factors of country evaluation and selection; decisions concerning foreign direct and portfolio investment; control methods in international business.
June	UNIT-III Basic foreign manufacturing and sourcing decisions; product and branding decisions for foreign markets; approaches to international pricing; foreign channel and logistical decisions.  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 6<sup>th</sup> Sem. Session 2020-21

Month	Name of Topic
April	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.
May	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.
June	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.  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. ARJUN

Paper with Code : E-Commerce

BBAN-605

Class BBA 6<sup>th</sup> Sem.

Session 2020-21

Month	Name of Topic
April	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.
May	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.
June	UNIT-III Applications in e-commerce – e-commerce applications in manufacturing, wholesale, retail and service sector.  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 Mr. Piyush

Paper with Code 19MC-101 Management Process and Organisational Behaviour  
Class M.Com 1<sup>st</sup> Sem. Session -2020-21

Month	Name of Topic
November	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)
December	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)
January	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 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)

**February**

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  
Organisational Change: Nature, Resistance to Change, Implementing Change  
Organisational Development: Concept, Models and Interventions(One Case Study)

**March**

Exams

Wish you all the best  
D. S. S.

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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 1<sup>st</sup> Sem.**  
**Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>November</b>	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
<b>December</b>	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
<b>January</b>	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
<b>February</b>	Emerging Accounting Practices: Inflation Accounting Human Resource Accounting, Value added Accounting Responsibility Accounting, Transfer Pricing- Concept and Methods, Social and Environmental Accounting

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**LESSON PLAN PERFORMA**

**Name of Assistant/Associate Professor Mrs. Rinku**

**Paper with Code 19MC-103 Business Economics Class M Com 1<sup>st</sup> Sem.  
Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>November</b>	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
<b>December</b>	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
<b>January</b>	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
<b>February</b>	Introduction of Market Structure, Price Determination under Perfect Competition, Price Determination under Monopolistic Competition, Price Determination under Monopoly, Price Determination under Oligopoly, Pricing Strategies

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code 19MC-104 Business Environment      Class M Com 1<sup>st</sup> Sem  
Session 2020-21

Month	Name of Topic
<b>November</b>	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
<b>December</b>	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
<b>January</b>	Consumer Protection Act, 1986 Environment Protection Act, 1986 Right to Information Act, 2005 Foreign Exchange Management Act, 1999
<b>February</b>	International Business- Concept, types, advantage and disadvantage; Foreign investment: Types, significance and limitation, IMF, WTO, World Bank, Regional Economic Groupings- BRICS, SAARC, SAFTA, G-20

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**LESSON PLAN PERFORMANCE** Name of Assistant/Associate Professor -Mr. Ritesh

Paper with Code 19MC-105 IT Fundamentals Class - M Com 1<sup>st</sup> Sem.

Session-2020-21

Month	Name of Topic
<b>November</b>	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
<b>December</b>	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
<b>January</b>	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
<b>February</b>	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 1<sup>st</sup> Sem.**

**Sessio-2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>November</b>	<p><b>Unit-1</b></p> <p>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</p> <p>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</p>
<b>December</b>	<p><b>Unit-2</b></p> <p>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</p> <p>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</p>
<b>January</b>	<p><b>Unit 3</b></p> <p>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</p>

	<p>Report. Types of Business Reports, Format for Business Reports, Steps in Report Preparation. Job application letters: Resume, Covering Letter Interview Letters.</p>
<p><b>February</b></p>	<p><b>Unit 4</b></p> <p>Understanding the job interviewing process: Preparing for an interview, Types of interviews: Selection or Placement interviews, Appraisal interviews, Exit interviews Preparing for the Interview, Dressing Up, on the Day of Interview, on the Interview Table and Dress Code At Interview, Interview Mistakes</p> <p>Networking, How to Present Well in Interview, Power Dressing: Introduction and Importance Cross Cultural Business Communication: Cultural differences in international business Ethics in Business Communication, Communicating with difficult people</p>

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Satbir

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

Class : M.com 1st Sem.

Session : 2020-2021

Month	Name of the Topic
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	Revision

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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 2<sup>nd</sup> Sem. Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>April</b>	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
<b>May</b>	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.
<b>June</b>	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 Unit-IV Association of Attributes: Criterion of Independence, Consistency of data X <sup>2</sup> –Test: Conditions for apply x <sup>2</sup> – Test Yate's correction Uses of X <sup>2</sup> Test, Additive Property of X <sup>2</sup> . Misuse of Chi-Square Test and its limitations.

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**LESSON PLAN PERFORMA**

**Name of Assistant/Associate Professor Mrs. Tanu**

**Paper with Code 19MC-202 Accounting for Managerial Decisions**

**Class M Com 2<sup>nd</sup> Sem. Session \_2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>April</b>	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
<b>May</b>	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 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
<b>June</b>	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\_- Dr. Satbir**

Paper with Code 19MC-203 Financial Management Class M Com 2<sup>nd</sup> Sem. Session **2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>April</b>	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
<b>May</b>	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
<b>June</b>	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 Unit-IV Working Capital Management- concept, significance, determinants, approaches to working capital management Sources of working capital Cash Management Receivables Management Inventory Management

*Dr. Satbir*  
P. 10/2021



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Satbir

Paper with Code 19MC-204 E-Commerce Class M Com 1<sup>st</sup> Sem.

Session 2020-21

Month	Name of Topic
<b>April</b>	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
<b>May</b>	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.
<b>June</b>	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 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.

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LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Mr. Piyush

Paper with Code: DMC-205 Marketing Management Class: M.Com 2<sup>nd</sup> Sem Session: 2020-21

Month	Name of Topic
April	Unit I Marketing: Nature, Scope and Importance; Marketing Concepts and Evolution; Principles of Marketing Management; Selling v/s Marketing; Introduction to Marketing: My and recent developments; Marketing Environment: Macro and Micro Elements; Inter-Linkage between Marketing Environment and Marketing Decisions; Strategic Planning in Contemporary Marketing
May	Unit II Consumer Behaviour: Determinants, Buying Decision Process and Models; Marketing Segmentation: Concept, Process, Basis of Segmentation; Market Targeting and Prioritizing; Product Decisions: Product Line and Product Mix; New Product Development; Branding, Packaging and Labelling
June	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
	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

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor -Mr. Ritesh

Paper with Code 19MC-206 Computerised Accounting Systems Class  
Session 2020-21

M Com 2<sup>nd</sup> Sem.

Month	Name of Topic
April	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.
May	Unit-II Introduction to Tally.ERP 9 - Features and enhancement in Tally.ERP 9. Installation procedure & Opening of Tally. ERP9, Components of theTally.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
June	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 -, Required features to create a pay slip, Description of payroll info. Working with payroll vouchers, Defining payroll reports Describing salary disbursement. Unit-IV Taxation - Indian Tax Structure. Tax deducted at source in Tally.ERP 9, Create a Tax Ledger. TDS Vouchers, Printing a TDS Challan, Tally.ERP 9, TCS reports in Tally.ERP 9. Calculating VAT in Tally.ERP 9, VAT Reports, Service Tax. Calculating GST in Tally.ERP 9.

  
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## LESSON PLAN PERFORMA

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

Paper with Code - Open Elective (Swachh Bharat) (Class-M. Com 2<sup>nd</sup> Session 2020-2021)

Month	Name of the Topic
November	Unit -I Explain Swacchhata, Ways of awareness for Swachhaw, Personal Hygeine Unit-II Health and Health Education Balance diet and Sanitation practices
December	Unit-III Solid waste manugement, Segregation, Disposal Non-Biodegradable and Biodegrndable waste
January	Unit-IV ways of campaigning
February	Role of Gram panchayat in Swachhta

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*Dr. Promila Dahiya Suhag*

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor – Mr. Piyush

Paper with Code 19MC-301 Research Methodology  
Class M Com 3rd Sem. Session 2020-21

Month	Name of Topic
<b>November</b>	Unit-I Meaning and Significance of Research Types of Research-Basic and Applied Research. Historical Studies, Case Studies, Survey and Experimental Studies Process of Research Research Approaches Research Application in Business Decision, Criteria for Good Research
<b>December</b>	Unit-II Problems Identification and Definition, Process of Problem Identification Developing a Research Proposal Formulation of Research Hypotheses Research Design: Nature of Research Designs, Process of Formulation of Research Design. Features of Good Research Design Classification Of Research Designs: Exploratory, Two Tiered, Experimental And Descriptive.
<b>January</b>	Unit-III Sampling Plan: Universe, Sample Vs. Census, Sample Frame and Sampling Unit, Sample Size Determination, Sampling and Non-Sampling Errors. Sampling Design: Concepts of Sampling Design, Criteria of Good Sampling Design. Data Collection Methods: Classification of Data, Research Application of Secondary Data, Secondary Data Sources and Usages, Online Data Sources Quantities Method of Data Collection: Observation Method, Content Analysis, Focus Group Method, Personal Interview Method and Projective Techniques. Primary Data Collection Methods: Online Surveys, Questionnaire Deign Procedure, Research Applications of Primary Data
<b>February</b>	Unit-IV Data Processing and Interpretation: Editing and Coding Classification and Tabulation of Data, Presentation of Results Report Writing: Meaning and Steps of Planning Report Writing Research Report Structure: Principles of Writing, Guidelines for Effective Documentation, Writing and Typing The Report



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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor \_ Dr. Promila Suhag

Paper with Code 19MC-302 Human Resource Management

Class M Com 3rd Sem. Session \_ 2020-21

Month	Name of Topic
November	Unit-I Human Resource Management: Introduction, Nature, Scope, Objectives and Importance of Human Resource Management Functions of Human Resource Management: Managerial and Operative functions, Qualification and Qualities of Human Resource Manager Recent Techniques in Human Resource Management, Evolution and Growth of Human Resource Management in India Recruitment: Concept, Sources/Methods and Techniques of Manpower Supply, Selection: Concept and Procedure
December	Unit-II Training: Concept, Need and Importance of Training, Essentials of a Good Training Programme Methods of Training: On the Job Training and Off the Job Training Development: Concept and Nature of Management Development, Principle of M.D, Methods of M.D Workers Participation in Management: Concept, Need, Objectives and Forms of Workers Participation in Management, Pre-requisites of effective participation. Evaluation of the Scheme of Workers Participation in Management, Essential features, functions and progress of Joint Management Councils in India, Causes of failure of Joint Management Councils.
January	Unit-III Employee Morale: Concept, Nature and Significance of Morale, Determinants of Morale and Measurements of Morale. Productivity: Concept and Significance of Productivity, Measurements of Productivity. Factors influencing Industrial Productivity, Measures to improve Productivity, Relationship between Morale and Productivity Trade Union: Concept, Need, and Functions of Trade Union; Growth and Development of Trade Unions in India Collective Bargaining: Concept, Nature, Scope and Functions of Collective Bargaining in India, Essentials for the success of collective Bargaining in India

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February

Unit-IV

Industrial Relation: Concept, Importance and objectives of Industrial relations, Contents of Industrial Relation

Participation of Industrial relations, Requirements of good industrial relations Programme Industrial Unrest: Concept, form and causes of Industrial disputes.

Impact of industrial disputes on the economy

Preventive and curative methods and agencies for reconciliation of industrial disputes

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## LESSON PLAN PERFORMA

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

Paper with Code

*19MC 303 Corporate Law*

Class: **M Com 3rd Sem.**

Session: **2020-21**

Month	Name of Topic
November	Unit I Company-Meaning and Characteristics, Type of company Advantages and Disadvantages of Incorporation Lifting of Corporate Veil Formation of Company Promotion of Company, Function of Promoter, Importance of Promoter, Promoter's Remuneration Legal Status of Promoters, Rights of Promoters, Duties of Promoters, Liabilities of Promoters
December	Unit II Incorporation and Commencement of Business Prospectus- Definition, Public Offer, Contents, Misleading Prospectus and its Consequences Memorandum of Association- Meaning, Importance, Clauses of Memorandum of Association and their alteration Doctrine of ultra-Vires
January	Unit III Articles of Association Meaning Contents, Alteration of Articles of Association Constructive Notice and Doctrine of Indoor Management, Borrowing powers, Debenture and Charges Share Capital- Meaning 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 Paperless Trading - Benefits and Procedure
February	Unit IV Winding Up-Meaning, type of winding up Appointment of liquidator, power of Liquidators Duties of Company Liquidator Conduct of winding up Consequences of winding up

**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

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

**Paper with Code** 19MC-304C Trade and Investment **Class** M Com **3rd Sem.**  
**Session** 2020-21

<b>Month</b>	<b>Name of Topic</b>
<b>November</b>	Unit-I Meaning and Importance of Indian Trade Effects of National Trade on Economic Welfare and Wage Inequality, Foreign Direct Investment Interactions Between Trade and Environmental Concerns Role of Non-Governmental Organisations in Trade Provisions Regarding National Trade
<b>December</b>	Unit-II Meaning and Importance of International Trade Introduction to International Trade Law International Trade Barriers International Trade Theories Documentation in International Trade
<b>January</b>	Unit-III Investment: Meaning, Nature and process of Investment Measurement of Investment Risk and Return Security Exchange Board of India NSE and BSE Overview Introduction to Capital Market
<b>February</b>	Unit-IV International Investment: Types and Motives of International Investment Risk in International Investment Major International Stock Exchanges Security Market Indexes Options and Futures

  
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**LESSON PLAN PERFORMA**

**Name of Assistant/Associate Professor – Mr. Anand**

**Paper with Code 19MC-305C International Business Operations      Class M**  
**Com 3rd Sem.      Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
	Unit-I Scope and Importance of International Business Globalization and its Drivers Modes of Entry into International Business Recent Global Trends in International Trade Structure of International Business Environment
<b>August</b>	Unit-II Theories of International Trade: Introduction Mercantilism Theory and Neo-Factor Proportion Absolute Advantage Theory, Country Similarity Theory Cost Comparative Theory, The New Trade Theory Factor Endowment Theory, International Product Life Cycle Theory, Theory of Competitive Advantage
<b>September</b>	Unit-III Foreign Direct Investment Types of FDI Costs and Benefits of FDI FDI Policy of India Foreign Portfolio Investment
<b>October</b>	Unit-IV GATT, WTO, UNCTAD
<b>November</b>	IMF, World Bank Test Revision

  
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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

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

Paper with Code -19MC-306C Import-Export documentation **Class M Com 3rd Sem**  
**Session 2020-21**

Month	Name of Topic
<b>November</b>	<p>Unit-I</p> <p>An Overview of Legal Framework: <i>Foreign Trade Development and Regulation Act, 1992, Foreign Exchange Management Act, 1999, The Customs Act, 1962, Export (Quality Control and Inspection) Act, 1963</i></p> <p>Objectives of Export-Import Policy, Registration Formalities and Export Licensing General Provisions regarding Exports and Imports <i>Export Sales Contract Nature, International Contract Terms, Domestic Sales Contract vs Export Sales Contract Rights and Duties under Principal Incoterms, Usual Conditions in Export Contracts</i></p>
<b>December</b>	<p>Unit-II</p> <p>Rationale of Documents: Commercial, Legal and Incentive Perspective <i>Functions of Export Documents: Commercial Documents Legal Regulatory Documents Documents for Claiming Incentives, Standardised Pre-shipment Export Documents Import Documents; Performa of Commercial Invoice, Bill of Lading for combined Transport and Port to Port Shipments, Marine Insurance Certificate</i></p>
<b>January</b>	<p>Unit-III</p> <p>EDI: Concept, Benefits and Key Components <i>EDI and Bar Coding, EDI Standards, Value Added Network Services, Business Approaches to EDI Processing of Export Order: Nature and Format of Export Order, Examination and Confirmation Export Order, Manufacturing and Procuring Goods Pre-shipment Inspection, Appointment of Clearing and Forwarding Agents, Transportation of Goods to Port of Shipment Port Formalities and Custom Clearance, Dispatch of Documents by Forwarding Agent to the Exporter, Certificate of Origin and Shipment Advice, Presentation of Documents to Bank, Claiming Export Incentives,</i></p>
<b>February</b>	<p>Unit-IV</p> <p>Export Promotion Councils and Commodity Boards, Technical and Specialised Services Assistance <i>Export Assistance in India: Expansion of Production Base for Exports Rendering Exports Price-Competitive, Strengthening Export Marketing Efforts, Export Finance: Pre-shipment and Post-shipment, Exports under Deferred Payments Role of EXIM Bank, Recent Developments in Export Financing</i></p>

18/11/2020

**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

**Name of Assistant/Associate Professor – Mrs. Rinku**

**Paper with Code 19MC-401 Strategic Management      Class M Com 4th Sem.**  
**Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>April</b>	Unit-I Concept of Strategy, Levels at which Strategy Operates. Schools of Thoughts of Strategy Formation Process of Strategic Management Roles of Strategists in The Process of Strategic Decision Making Issues in Strategic Decision Making Unit-II Vision, Mission Statement Formulation and Communication of Mission Statement Business Definition, Setting of Goals and Objectives, Identification of Key Success Factors. Environmental Appraisal: Concept of Environment and its Components, Environmental Scanning and Appraisal Organisational Appraisal: Its Dynamics, Considerations, Methods and Techniques, Structuring Organisatioal Appraisal SWOT Analysis
<b>May</b>	Unit-III Strategy Formulation: Corporate Level Strategies/Grand Strategies, Stability Strategies, Expansion Strategies, Retrenchment Strategic, Combination Strategies Business Level Strategies and Tactics Strategies Analysis and Choice: The Process of Strategic Choice, Corporate Level Strategic Analysis, Business Level Strategic Analysis, Subjective Factors in Strategic Choice, Contingent Strategy, Strategic Plan. Strategy Implementation: Inter Relationship Between Formulation And Implementation Aspects of Strategy Implementation: Project Implementation, Procedural Implementation, Resource Allocation, Strategy and Structures, Behavioural Implementation and Functional Implementation
<b>June</b>	Unit-IV Strategic Evaluation and Control: Meaning and Importance of Strategic Evaluation and Control Techniques of Strategic Evaluation and Control Process of Strategic Evaluation and Control Types of Strategic Evaluation and Control Limitations of Strategic Evaluation and Control

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LESSON PLAN PERFORMA

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

Paper with Code **ENMC-402 Entrepreneurship Class M Com 4th Sem. Session 2020-21**

Month	Name of Topic
<b>April</b>	Unit I Entrepreneurship: Concept of Entrepreneur and Entrepreneurship & Models of Entrepreneurship Entrepreneur vs Manager, Emergence of Entrepreneurship, Role of Entrepreneurship in Economic Development, Economic, Social and Psychological needs for Entrepreneurship, Entrepreneur Concept, Functions, Qualities and Pre-requisites of an Entrepreneur Decision Making Concept, Features & Steps
<b>May</b>	Unit II Business Venture: Features of Business, Objectives of a business, Qualities of successful business & Structure of Business Venture, Establishment of Entrepreneurial system Business Planning Nature, Characteristics & Principles of Business planning Business Planning Process Government schemes for Entrepreneurs
<b>June</b>	Unit III Business Plan: Features and Process Business Plan Format Project Appraisal, Economic & Technical Project Appraisal, Managerial & Financial Project Appraisal, Operational & Environmental Unit IV Women Entrepreneurship: Concept, Problems faced by women entrepreneurs and Measures to solve these problems, Rural Entrepreneurs: Features and Types of Rural Entrepreneurs, Role of Rural Entrepreneurs Government Schemes for Promoting Entrepreneurs, Women, Rural and General Entrepreneurs Process for Starting a Small Business Enterprise in India.



# VAISHI COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor: Dr. Sathar

Paper with Code: BBA - 401 Business Ethics and Corporate Governance

Class: M.Com 4th Sem. Session: 2020-21

Month	Name of Topic
April	Unit I Corporate Governance - Meaning and Significance Emergence of Corporate Governance, Developments in India Regulatory Framework of Corporate Governance in India SEBI Guidelines on Corporate Governance Reforms in the Companies Act
May	Unit II Corporate Management vs. Governance Internal Constituents of Corporate Governance Key Managerial Personnel Qualities of a Chairman, Power, Responsibilities and Duties of a Chairman, Chief Executive Officer, Role and Responsibilities of the CEO
June	Unit III Business Ethics Nature, Scope, Objectives and Importance of Business Ethics Factors Influencing Business Ethics Arguments for and Against Business Ethics, Indian Models of Business Ethics Ethical Principles in Business Unit IV Ethics in Finance, Ethics in HRM Ethics in Marketing, Ethics in Production and Operation Management Corporate Culture and Business ethics Dimensions of pollution and resources Depletion Contemporary issues in Business Ethics

**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

**Name of Assistant/Associate Professor- Mrs. Tanu**

**Paper with Code 19MC-404C International Financial Management Class M  
Com 4<sup>th</sup> Sem. Session 2020-21**

<b>Month</b>	<b>Name of Topic</b>
<b>April</b>	Unit-I Multinational Corporation, Steps in Internationalization, An overview of International Financial Management- Finance Function in Multinational Firm International Monetary System: Exchange Rate Agreement IMF and International Liquidity Forms of International Financial Flows Structure of Balance of Payments: Equilibrium, Disequilibrium and Adjustment
<b>May</b>	Unit-II Foreign Exchange Market: Spot Exchange Market, Participants in Foreign Exchange Market Exchange Rate Quotations Forward Rate and Forward Market Purchasing Power Parity Relationship Interest Rate Parity Relationship
<b>June</b>	Unit-III Currency Futures Currency Options, Currency Swaps Exchange Rate Exposure: Concept and Types, Exchange Risk Management Unit-IV Raising Funds from International Market Cost of Capital for MNCs Capital Budgeting for Multinationals Working Capital Management for MNCs Corporate Governance around the World

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**VAISH COLLEGE, BHIWANI****LESSON PLAN PERFORMA**

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

Paper with Code

19MC-405C

M.COM 2nd

**SEMESTER- IVth**

Month	Name of Topic
April	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
May	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.
June	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 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.
	<b>Examination</b>

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Monika

Paper with Code : 19MCS101: MATHEMATICAL FOUNDATION OF COMPUTING

Class : M.Sc (CS )1st

Session : 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	Graph: Definition, walks, 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
February	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.
March	Exams

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**VAISH COLLEGE, BHIWANI**  
**LESSON PLAN PERFORMA**

Name of Assistant/Associate Professor : Mr. Pankaj

Paper with Code : 19MCS102: DATA STRUCTURES USING C

Class : M.Sc (CS 1st

Session:2020-2021

Month	Name of the Topic
November	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..
December	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.
January	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.
February	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.
March	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Manoj

Paper with Code : 19MCS103: DATABASE MANAGEMENT SYSTEM

Class : M.Sc (CS 1st

Session : 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	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
February	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.
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Anjali

Paper with Code : 19MCS104: FUNDAMENTALS OF WEB DESIGNING

Class : M.Sc (CS) Ist

Session : 2020/21

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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
March	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Nandini

Paper with Code : 19MCS105: COMPUTER ORGANIZATION AND ARCHITECTURE

Class: M.Sc (CS ) 1st

Session : 2020-2021

Month	Name of the Topic
November	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).
December	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.
January	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.
February	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.
March	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Promila Suhag

Paper with Code : OPEN ELECTIVE-I (ENVIRONMENT AND ENERGY MANAGEMENT)

Class : M.Sc (CS ) 1st

Session : 2020-2021

Month	Name of the Topic
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

**VAISH COLLEGE, BHIWANI****LESSON PLAN PERFORMA**Name of Assistant/Associate Professor - **Dr. Promila Dahiya Suhag**

Paper with Code

18CS-100

M.Sc. C.S 1st

**SEMESTER- 2nd**

Month

Name of Topic

April

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.

May

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.

June

Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games. Proper use of Language: The Communication Skills, The effective Speech. Effective self-presentation & facing interview: The interview process & preparing for it, The presentation skills.

**Examination**

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Assistant/Associate Professor : Mr. Pankaj

Subject with Cycle : 19MCS201 OPERATING SYSTEM AND UNIX

Session : 2020-2021

Class : M.Sc (CS) 2nd

Month	Name of the Topic
April	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.
May	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, 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
June	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 Concurrent programming: sequential and concurrent process, precedence graph, Bernstein's 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
July	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Kirti Bansal

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

Class : M.Sc (CS ) 2nd

Session 2020-2021

Month	Name of the Topic
April	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.
May	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.
June	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).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.
July	Exams



# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Pooja Rathi

Paper with Code : 19MCS203: DATA MINING

Class: M.Sc (CS ) 2nd

Session : 2020-2021

Month	Name of the Topic
April	<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>
May	<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>
June	<p>Clustering: Introduction of Clustering, Cluster Analysis, Clustering Methods K means, Hierarchical clustering, Agglomerative clustering, Divisive clustering, clustering and segmentation software, evaluating clusters, 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, 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>
July	EXAMS

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Kirti Saneja

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

Class: M.Sc (CS ) 2nd

Session : 2020-2021

Month	Name of the Topic
April	<p>Introduction to Java Basics of Java programming, Data types, Variables, Operators, Control structures including selection, Looping, Java methods, Overloading, Math class, Arrays in java.</p> <p>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</p>
May	<p>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.</p> <p>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</p>
June	<p>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, 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</p>
July	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant Associate Professor : Mr. Anurag

Paper with Code : 19MCS205: ARTIFICIAL INTELLIGENCE

Class : M.Sc (CS) 2nd

Session : 2020-2021

Month	Name of the Topic
April	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
May	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 minimax, Alpha Beta pruning, Constraint Satisfaction Problem, Means-End Analysis, 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
June	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 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
July	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Pankaj

Paper with Code : 19MCS208: MATLAB

Class: M.Sc (CS ) 2nd

Session : 2020-2021

Month	Name of the Topic
April	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.
May	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
June	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. 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
July	Exams

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Promila Suhag

Paper with Code : 18CS100: COMMUNICATION SKILLS

Class: M.Sc (CS ) 2nd

Session : 2020-2021

Month	Name of the Topic
April	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.
May	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, 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.
June	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.
July	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Manisha

Paper with Code : 19MCS301: PYTHON PROGRAMMING

Class: M.Sc (CS) 3rd

Session : 2020-2021

Month	Name of the Topic
November	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.
December	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
January	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
February	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.
March	Exams

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Manoj

Paper with Code : 19MCS302: COMPUTER GRAPHICS

Class: M.Sc (CS ) 3rd

Session 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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.
March	Exams

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Manisha

Paper with Code : 19MCS303: SOFTWARE ENGINEERING

Class: M.Sc (CS ) 3rd

Session 2020-2021

Month	Name of the Topic
November	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.
December	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.
January	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.
February	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.
March	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 : 2020-2021

Month	Name of the Topic
November	Introduction to Soft Computing: Introduction, Difference between Hard and Soft computing, Requirement of Soft computing, Major Areas of Soft Computing, Applications of Soft Computing
December	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.
January	Hybrid Systems: Sequential Hybrid Systems, Auxiliary Hybrid Systems, Embedded Hybrid Systems, Neuro-Fuzzy Hybrid Systems, Neuro-Genetic Hybrid Systems, Fuzzy-Genetic Hybrid Systems.
February	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.
March	Exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mrs. Pooja

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

Class: **M.Sc (CS ) 3rd**

Session : **2020-2021**

Month	Name of the Topic
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	Exams

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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: 2020-21

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. Suman

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

Class- M.Sc. Mathematics

Session: 2020-21

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 Noetherian and Artinian modules and rings with simple properties and examples, Nil and Nilpotent ideals in Noetherian 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- Ms. Monika

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

Class- M.Sc. Mathematics

Session: 2020-21

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, Egoroff's 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

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

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

Paper with Code\_ 19CS -100

M.Sc. Math 1st

### SEMESTER- 1st

Month	Name of Topic
November	Human Resource Management: Introduction, Nature, Scope, Objectives and Importance of Human Resource Management Functions of Human Resource Management: Managerial and Operative functions, Qualification and Qualities of Human Resource Manager.
December	Recent Techniques in Human Resource Management, Evolution and Growth of Human Resource Management in India Recruitment: Concept, Sources/Methods and Techniques of Manpower Supply, Selection: Concept and Procedure Good Training Programme Methods of Training: On the Job Training and Off the Job Training Development: Concept and Nature of Management Development, Principle of M.D, Methods of M.D.
January	Training: Concept, Need and Importance of Training, Essentials of a Workers Participation in Management: Concept, Need, Objectives and Forms of Workers Participation in Management, Pre-requisites of effective participation. Evaluation of the Scheme of Workers Participation in Management, Essential features, functions and progress of Joint Management Councils in India, Causes of failure of Joint Management Councils.
February	Employee Morale: Concept, Nature and Significance of Morale, Determinants of Morale and Measurements of Morale. Productivity: Concept and Significance of Productivity, Measurements of Productivity, Factors influencing Industrial Productivity, Measures to improve Productivity, Relationship between Morale and Productivity Trade Union: Concept, Need, and Functions of Trade Union; Growth and Development of Trade Unions in India Collective Bargaining: Concept, Nature, Scope and Functions of Collective Bargaining in India, Essentials for the success of collective Bargaining in India.
March	Revision of Full Syllabus. Taking Class Test & Power Point Presentation.
<b>Examination</b>	

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

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

Class- M.Sc. Mathematics

Session: 2020-21

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



VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics

Session: 2020-21

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

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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: 2020-21

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- Mr. Abhay

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

Class- M.Sc. Mathematics

Session: 2020-21

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, Brachisto chrone problem, Isoperimetric problem, Geodesic. Fundamental Lemma. Euler equation for one dependent function and its generalization to 'n' dependent functions.
December	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: 2020-21

Month	Name of Topic
<b>SEMESTER II</b>	
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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code – Mechanics(18 MTH-103)

Class- M.Sc. Mathematics

Session: 2020-21

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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

Paper with Code – Topology (18MTH-203)

Class- M.Sc. Mathematics

Session: 2020-21

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. $T_3$ and $T_4$ spaces.
May	Revision
June	Exams

**VAISH COLLEGE, BHIWANI****LESSON PLAN PERFORMA**

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

Paper with Code

18CS-100

M.Sc. Math 1st

**SEMESTER- 2nd**

Month	Name of Topic
April	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.
May	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.
June	Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games. Proper use of Language: The Communication Skills, The effective Speech. Effective self-presentation & facing interview: The interview process & preparing for it, The presentation skills.
<b>Examination</b>	

  
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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics

Session: 2020-21

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: 2020-21

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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Monika

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

Class- M.Sc. Mathematics

Session 2020-21

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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

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

Class- M.Sc. Mathematics

Session: 2020-21

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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Abhay

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

Class- M.Sc. Mathematics

Session: 2020-21

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

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LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics

Session: 2020-21

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

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: 2020-21

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

V AISH COLLEGE, BISPWANJ

LESSON PLAN PERFORMA

Name of Assistant Associate Professor- Ms. Sumat

Page with Code - Discrete Mathematics (DMTH-518)

Class - M. Sc. Mathematics

Session: 2020-21

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 Truth Tables, 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 Minimals.
November	Unit-IV Boolean Algebra, Boolean Algebra 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

VAINI COLLEGE, BIHWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Numan

Paper with Code - Advanced Fluid Dynamics (BMTT 404)

Class: M.Sc. Mathematics

Session: 2020-21

Month	Name of Topic
SEMESTER IV	
January	Unit I Rotational 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

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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: 2020-21

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

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Abhay

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

Class- M.Sc. Mathematics

Session: 2020-21

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

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Reetu

Paper with Code –Open Elective II(Swachch Bharat)

Class- M.Sc. Mathematics

Session: 2020-21

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 Swachhhta
March	Revision

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMANCE

Name of Assistant Professor/ Associate Professor- Dr. Satbir

Paper Cost Accounting(19BC502) Class B.com 5<sup>th</sup>, 6<sup>th</sup> semester Session 2020-2021

Month	Name of Topic
November	Unit-1 Cost accounting: Meaning, features, scope and techniques, Methods, objectives, importance and limitations, Costing, cost accountancy, cost centres and profit centers, main elements & types.
December	Unit-2 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.
January	Unit-3 Labour cost control: Importance, methods of time keeping and time booking, systems of wage payment, time wage payment, piece wage system.
February	Unit- 4 Overhead: Basics of overhead, types of overhead, collection and classification, allocation and apportionment, absorption of overheads. Revision
March	Exam
April	Unit-1 Process costing: Meaning, uses., normal wastage, abnormal wastage, treatment of opening and closing, joint product, by product, inter process profits
May	Unit-2 Contract costing- Meaning, main features, contract near completion, cost plus contract, job and batch costing. Unit-3 Budgetary control: Meaning of budgets and budgetary control, limitations. Performance Budgeting, Zero based budgeting
June	Unit-4 Marginal costing, Absorption costing, Marginal cost. Revision
July	Exam



VAISHI COLLEGE, BIHAWAN

LESSON PLAN PERFORMANCE

Name of Assistant Professor/ Associate Professor

Paper Income Tax Law (19BC501) Class

Session 2020-2021

Month	
November	Unit-1 An overview, <del>unit definition</del> Exempted income.
December	Unit-2 Income from salaries, <del>retirement</del> retirement, Income from <del>house</del> <del>property</del>
January	Unit-3 Profits and <del>gain</del> from <del>business</del> <del>and</del> capital gain.
February	Unit- 4 Income from <del>other</del> <del>sources</del> <del>and</del> set off and carry forward of <del>losses</del> <del>and</del> <del>gains</del> Revision
March	Exam
April	Unit-1 Rebate & <del>relief</del> of <del>tax</del> <del>and</del> <del>interest</del>
May	Unit- 2 Assessment of <del>income</del> <del>and</del> <del>tax</del> <del>of</del> persons. Unit-3 Income tax <del>and</del> <del>deduction</del> <del>and</del> payment of tax.
June	Unit-4 Recovery of <del>tax</del> <del>and</del> <del>interest</del> Revision
July	Exam

es of financial management  
of finance, financial

and weighted average,  
S- NI, NOI, Traditional and

decisions, dividend

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VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Tanu

Paper Financial Management (19BC-603) Class B.com 6<sup>th</sup> semester Session 2020-2021

Month	Name of Topic
April	Unit-1 Financial Management: Nature, scope, objectives of financial management, Interface between finance and other functions, sources of finance, financial planning, time value of money.
May	Unit-2 Concepts of cost of capital, computation of cost and weighted average, CAPM Approach, agency costs, capital structure theories- NI, NOI, Traditional and MM Approach Unit-3 Capital Budgeting, Nature and process Dividend decisions, dividend decision models.
June	Unit- 4 Working capital management- concept, significance Revision
July	Exam

VAISH COLLEGE, BHIWANI  
LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Shilpa

Paper: GST (19BC-604)

Class B.com 6<sup>th</sup> semester

Session 2020-2021

Month	Name of Topic
April	Unit-1 Introduction, salient features of GST, GST rates rationale for GST, structure of GST (SGST, CGST, UTGST & IGST)
May	Unit-2 GST Registration: Compulsory registration, principles and provision of GST, Special provision, taxability of E-commerce, offences and penalties. Unit-3 Levy and collection of GST, place of supply, rules of valuation, taxability of reimbursement..
June	Unit- 4 Simple illustrations on calculation Revision
July	Exam

  
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LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Anand

Paper Financial Market Operation(19BC-605B) Class B.com 5<sup>th</sup> semester Session 2020-2021

Month	Name of Topic
November	Unit-1 Money market, Indian money market, features, functions, instruments of money market, recent trends in Indian money market.
December	Unit-2 SEBI- Fundamentals, powers, objectives of SEBI, scope and functions of SEBI. Investors protection-stock exchange grievances, dealings and removal.
January	Unit-3 Functions on stock exchanges: Brokers, sub-brokers, market makers and jobbers, portfolio, institutional investors, Financial services and merchant banking, functions of SEBI.
February	Unit- 4 Role of Development Financial Institution in India, Policy measures, products and services offered by Different institutions. Revision
March	Exam

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## LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Piyush

Paper Entrepreneurship and SSB(19BC-606A) Class B.com 5<sup>th</sup> semester Session 2020-2021

Month	Name of Topic
November	Unit-1 Entrepreneurship: Meaning, emergence of entrepreneurship, knowledge and skill requirement, role of entrepreneurship, entrepreneurship process, intrapreneur and professional manager.
December	Unit-2 Generating Business idea, sources of new ideas, environmental scanning, feasibility study
January	Unit-3 preparation of business plan, presenting business plan, preparing project report, entrepreneurial plans and network of indian institutions.
February	Unit- 4 Entrepreneurial Mobility and Functional plans, factors influencing mobility, occupational mobility, functional plans, marketing plan. Revision
March	Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Tanu

Paper Accounting for Mgmt.(19BC-503) Class B.com 5<sup>th</sup> semester Session 2020-2021

Month	Name of Topic
November	Unit-1 Management accounting- nature and scope, significance, limitations, management accountant: position and role.
December	Unit-2 Contemporary issues in management accounting, value chain analysis, activity based accounting, balanced scorecard, CVP analysis.
January	Unit-3 Standard costing, Transfer pricing.
February	Unit- 4 Responsibility accounting- meaning and advantages, Total Quality Management- meaning, advantages, primary element of TQM. Revision
March	Exam

  
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VAISH COLLEGE

Name: (Assistant Professor / Associate Professor / Lecturer)

Course: International Business Environment - Law & Ethics - 1<sup>st</sup> semester - Session 2020-2021

Month: \_\_\_\_\_ Name of topic: \_\_\_\_\_

1. Week 1 - Seven global trends in international trade and finance; dimensions and modes of IB; structure of IB environment; role of IB; motives for internationalization of firms; organizational structure of IB; world trading system and impact of WTO; exchange rate system; global financial system; sources of IB; international business information and communication.

2. Week 2 - 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.

3. Week 3 - II. Lectures concerning global manufacturing and material management; outsourcing; labor; managing global supply chains; product and branding decisions; managing international markets; international promotion mix and pricing decisions; counter trade practices; mechanism of international trade transactions.

4. Week 4 - I. Examining accounting difference across countries; currency translation methods for consolidating financial statements; the LESSARD-LORANGE Model; II. Global challenges in IB; international staffing decisions; compensation and performance appraisal of expatriate staff; ethical dilemmas and social responsibility issues.

5. Week 5 - Self study

6. Week 6 - Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Mr. Saurabh

Paper Auditing(19BC-504)Class B.com 6<sup>th</sup> semester

Session 2020-2021

Month	Name of Topic
April	Unit-1 Auditing concepts, objectives, importance and types of auditing. Audit process: Process, internal control, internal audit and audit programme.
May	Unit-2 Audit procedure, routine checking, vouching, verification and valuation of asset and liability Unit-3 Audit of public company, powers and duties of auditors, audit of depreciation reserves, dividends
June	Unit- 4 Audit report and investigation. Revision
July	Exam



## LESSON PLAN PERFORMA

Name of Assistant Professor/ Associate Professor- Ms. Shilpa

Paper International Marketing

Class B.com 6<sup>th</sup> semester

Session 2020-2021

Month	Name of Topic
April	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.
May	Unit – II Product Planning and Pricing: International product life cycle research and information's: Product designing and packaging; Pricing process and methods; International price quotations and payment terms. Unit – III International Distribution: Channel structure and selection decisions; Managing channel conflicts; Selection and appointment of foreign sales agents; Basic export procedure and documentation
June	Unit – IV Product Promotion: Methods of International product Promotion; challenges in International advertising and media strategy; Web marketing; Organising trade fairs and exhibitions. Revision
July	Exam

VAISH COLLEGE, BHIWANI

LESSON PLAN PERFORMA

Name of Assistant/Associate Professor- Dr. Satbir

Paper with code: Financial Accounting 1 II(19BC101/201)

Class B.com 1sem

Session 2020-2021

Month	Name of Topic
<b>SEMESTER-1</b>	
November	Unit- 1 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
December	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)
January	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)
February	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)
March	Revision and Examination
<b>SEMESTER-2</b>	
April	Dissolution of Partnership firm-Insolvency of Partners (including Garner v/s Murrey Rule), Amalgamation and Sale of Partnership firms, Gradual Realization and Piecemeal Distribution Insolvency Accounts for Non Corporate Entities: Defining Insolvency, Statement of Affairs as on date of order, Difference between Balance Sheet Statement of Affairs and Accounting Treatment
May	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 debtors system. Joint Ventures: Joint Venture: Accounting procedures: Joint Bank Account, Records Maintained by Co- venture of (a) all transactions (b) only his own transactions,

	Memorandum joint venture account
June	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.
July	Revision and Examinations

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VAISH COLLEGE



**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

Name of Assistant/ Associate Professor- Mr. Vishnukant

Paper with Code: Business management(19BC102)

Class B.com 1year

Session: 2020-2021

<b>Month</b>	<b>Name of Topic</b>
<b>SEMESTER-1</b>	
November	Business- Concept, Nature and Spectrum of Business Activities. Basic Considerations in Setting up a Business Enterprise. Management: Introduction, Process, Development of Management Thoughts, Contribution of Taylor and Henry Fayol in Management
December	Planning: Objectives, Strategies and Planning process. Organizing: concept, Organizational Structure and Process.
January	Directing: Leadership concept and Style, Theories: - Trait theory, Style & Behavior theory, Contingency theory. Motivation: - Concept, Theories: - ERG theory, Reinforcement theory, Expectancy theory. Decision Making
February	Controlling: Concept, Process and Techniques. Management by Objectives, Management of Change: Resistance to Change and Strategies to manage change. Staffing: concept and Scope. Recruitment and Selection.
March	Revision and examination



VAINSHI COLLEGE, BHITWANI

LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor: Mr. Ritish

Paper with Code: Fundamentals of Computer (19HC105)

Class B.com 1year

Session: 2020-2021

Month	Name of Topic
	SEMESTER-I
November	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.
December	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, diskcopy, diskcomp, format, backup, restore. Windows Windows Explorer, Print Manager, Control Panel, Paint Brush. Dialog box: Text box, Check box, slide boxes, Desktop.
January	MS-Office (Word and Excel): Introduction of Word Processing. MS-Word; Creating, Editing, Printing, Page Formatting, Sorting and Tables
February	Data Communication and Networks: Data Communication Concept, Medias, Modes, Multiplexers. Networking; Need, Types of Network, Distributed Networking, Client- Server Concepts, OSI Models.
March	Revision and examination

**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

Name of Assistant/ Associate Professor- Mr. Arjun

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

Class B.com 1year

Session: 2020-2021

<b>Month</b>	<b>Name of Topic</b>
<b>SEMESTER-2</b>	
April	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.
May	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
June	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: International Monetary Fund, World Trade Organisation, World Bank
July	Revision and exams

**VAISH COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

Name of Assistant/ Associate Professor- Ms. Monika

Paper with Code: Business Mathematics(19BC203)

Class B.com 1year

Session: 2020-2021

Month	Name of Topic
<b>SEMESTER-2</b>	
April	Matrices: Definition of a matrix. Types of matrices. Algebra of matrices. Applications of matrices operations for solution to simple business and economic problems. Determinants and inverse of a matrix: Calculation of values of determinants up to third order. Finding inverse of a matrix through determinant method. Solution of system of linear equation up to three variables.
May	Compound Interest: Certain different types of interest rate; Concept of present value and amount of a sum Annuities: Types of annuities; Present value and amount of an annuity, including the case of continuous compounding
June	Differentiation: Concept of differentiation. Rules of differentiation – simple standard forms. Applications of differentiation -elasticity of demand and supply. Maxima and Minima of functions (involving second or third order derivatives) relating to cost, revenue and profit. Permutations and Combinations: Definition, Formulas, Difference between Permutations and Combinations, Fundamental Principle of Counting, N and R in Permutations and Combinations (Simple Problems) Sequence and Series: Definition, Types- Arithmetic Progression, Geometric Progression, Formulas, Difference between Sequence and Series (Simple Problems).
July	Revision and exam



**VAISHI COLLEGE, BHIWANI**

**LESSON PLAN PERFORMA**

Name of Assistant/ Associate Professor: Dr. Promila Suhag

Paper with Code: Business Communication Skills(19BC205)

Class B.com 1 year

Session: 2020-2021

Month	Name of Topic
<b>SEMESTER-2</b>	
April	Business Communication Skills: Introduction: Basics of communication, Seven C's of effective communication, barriers to communication, ethical context of communication.
May	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.
June	Report Writing: Types of business reports, structure of reports, short reports, long reports, abstracts and summaries, proposals. Communication Skills: Reading skills, listening skills, note making, persuasive speaking. Body language, Gestures.
July	Revision and exams

*Dr. Promila Suhag*  
Principal



# VAIBHAVI KUMAR, BHIVANI

## LEARNER PLAN PERIODEMA

NAME of Assistant/ Associate Professor in Charge

NAME of the English Unit

CLASS & SEMESTER

SESSION 2021-2022

Month	Name of Topic
November	<p>अभिहित 1</p> <p>A. Phrasal Verbs 1. The "Meaning" by Bhatnagar. Unit 1 ii. Phrasal Verbs "Unit 1" by M. K. Chandra in "Perspectives of English" 2 in book by Dr. B. B. Acharya.</p> <p>A. Phrasal Verbs 2. The "Meaning" by Bhatnagar. Unit 1 ii. Phrasal Verbs "Unit 1" by M. K. Chandra in "Perspectives of English" 2 in book by Dr. B. B. Acharya.</p>
December	<p>Parts of speech: Nouns, Pronouns, Adjectives, Articles, Verbs, Adverbs, Prepositions, Conjunctions, Interjections, Identifying parts of speech, Structure - Verb patterns, Tenses, Eggs, Subject - Verb agreement (verbals)</p>
January	<p>Conventional English, Usage and Conversations, Understanding, Communication, Listening and Interactive, Making Requests, Asking for and Giving Directions, Giving Help, Giving Instructions and Directions, Act of Social Talk, Participating in Conversations, Speech and Grammar, Making a Short Formal Speech, Describing People, Places, Events and Things</p>
February	<p>Listening: Notices in Listening, Announcements in Listening, Listening to Talks and Lectures, Listening to Announcements, Listening to News on the Radio and Television, Listening</p> <p>Basic grammatical concepts and common errors - Tenses, Modals, Passive Voice, Prepositions, Punctuation, Relative Clause, Reported speech, Speech acts, Eggs</p>
March	<p>Revision and Examination</p>

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Month

Year

January

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February

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March

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April

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May	Geometric Progression, Formulas, Difference between Sequence and Series (Simple Problems) and Revisions
June	Exams and summer break

VAISH COLLEGE, BHIWANI  
LESSON PLAN PERFORMA

Name of Assistant Associate Professor, Mrs. Kitesh...

Paper with code (Type of examination) (1480209)

Class B.com 1 year

Session 2020-21

SEMESTER-2

May

एक शब्द का अर्थ निकालना और एक शब्द का अर्थ निकालना  
समानार्थक शब्द निकालना एक शब्द का अर्थ निकालना विशेषता एवं  
विशेषता  
एक शब्द का अर्थ निकालना एक शब्द का अर्थ निकालना विशेषता एवं  
विशेषता

June

समानार्थक शब्द निकालना एक शब्द का अर्थ निकालना विशेषता एवं  
विशेषता  
एक शब्द का अर्थ निकालना एक शब्द का अर्थ निकालना विशेषता एवं  
विशेषता

July

Revision and exams

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Dr. Satbir

Paper with Code: Business Economics (19BC103)

Class B.com 1year

Session: 2020-2021

Month	Name of Topic
	SEMESTER-I
November	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
December	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.
January	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.
February	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
March	Revision and examination

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