# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor--------Dhiraj Trikha--------------------------------------------------

Paper with Code-------ENGLISH-------------------Class---------------B.A. III------Session-------2018-19-----------

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

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor--------Dhiraj Trikha------------------------------------------------------

Paper with Code-------ENGLISH-------------------Class---------------B.A. I--------Session-------2018-19-----------

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Dr. Sarita Goyal**

Paper with Code **English**     Class **B.SC-1B**   Session **2018-19**

| Month | Name of Topic "Chronicles of Time" Book |
|---|---|
| I sem July | Introduction of Shakespearean sonnet & Paper pattern. <br> Poems: 1 - Let me Not To The Marriage..... ⎤ explanation <br> 2. Death Be Not Proud ⎦ & exercises. |
| August | Poems: 3. On His Blindness   . Question/Answers <br> 4. The Retreat    + . explanation <br> 5. Chadwell    : Vocabulary. |
| September | Poems: 6. Know Then Thyself   + . explanation <br> 7. The Little Black Boy    Question/Answers <br> 8. Three years she grew.... |
| October | Poems: 9. England in 1819   . Phrasal verbs <br> 10. Crossing The Bar   . Prep. & common <br> Errors |
| November | Paragraph Writing; Translation (Hd. to English); <br> Revision of the poems with Ref. to the Context. |
| December | Examinations & Winter Break. |
| 2nd sem January "Ideas Aglow" | Introduction to Essay an an "Art form." <br> essay 1 - Our civilization + Text explanation & <br> Essay 2 - It's Question Time   Question/Answers. |
| February | Essay 3 - An Interview .... . Translation (eng to <br> 4. Untouchability and ... . Practice of Precis   Hd) <br> Explanation & Question/Answers. |
| March | Essay 5. Inhumanisation of war   + explanation <br> 6. Seven types of Gender Inequality of the <br> . official letter writing.   text & <br>   & answers. |
| April | Doubts clearance; class tests, <br> Revision of all the essays & Exam tips. |
| May | |
| June | |

Sarita.

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Dr. Sarita Goyal**

Paper with Code **English** Class **B.A. III**, Session **2018-19**

| | Month | Name of Topic | |
|---|---|---|---|
| **Sem V** | July | • Introduction of Kanthapura "Kanthapura" – Book<br>Text from Ch. I – III<br>Explanation + Q/Answers. | • Story writing<br>• Def. & Non- Defining clauses. |
| | August | Text from ch. IV – VI<br>with Explanation &<br>Ques/ Answers. | • Paragraph writing<br>• conditional clauses. |
| | September | Text Ch. VII – IX<br>with Q/ Answers &<br>Explanation | • Precis Writing<br>• Characters Analysis. |
| | October | Text Ch. X – XIII<br>• Ques/ Answers<br>• explanation | • Conversion of sentences<br>• Comprehension passages<br>Practices. |
| | November | Text Ch. XIV – XIX<br>• Q/ Answers<br>• Reference to the Context; | • Literary Terms<br>Revision of syllabus |
| | December | Examination & Vacation | |
| **Sem VI** | January | The merchant of Venice" | • Introduction to the play;<br>Act I with exercise &<br>Characters' Analysis of "The Merchant of Venice" |
| | February | • Practice of official writing,<br>Text & Explanation of Act I (Sc.1 to IX);<br>Ques/ Answers. | |
| | March | Act- II explanation, Q/ Answers.<br>(Sc.1 to V) | • One word substitution;<br>• Discussion of characters. |
| | April | Act- IV & V Explanation/ Ques Answers.<br>Characters' Analysis. | • Precis writing;<br>• summarising |
| | May | • Revision of the play<br>• class Test (characters)<br>• Doubts session. | |
| | June | Summer Break. | |

Sarita

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor __Dr. Sarita Goyal__

Paper with Code __English__    Class __BA 1__    Session __2018-19__

| Month | Name of Topic |
|---|---|
| | Books: 1. "Literature & Language" I |
| | 2. "Literature & Language" II |
| **Sem I** July | • Discussion of Syllabus, Paper Pattern. |
| | • Ch. 1 - Speech Sounds - explanation & exercises. |
| | • Ch. II - choosing our universe - exercises. |
| | Are Dams the temples of modern India - exercises. |
| August | • Ch. III - The Generation Gap - exercises. |
| | • Ch. IV |
| | • Transcription - Practice. |
| September | • Ch. V - Language & National Identity - exercise |
| | • Ch. VI - Wounded Plants - exercise |
| | Pronoun & Adjectives Practice. |
| October | • Ch. VII - Playing the English Gentleman - ex. |
| | • Ch. VIII - Great Bodies Born out of great minds - ex. |
| | • Adverbs; Transitive/Intransitive verbs Practice. |
| November | • Ch. IX The Responsibility of the young men - ex. |
| | • Ch. X Bharat Mata - exercises. |
| | • Tenses, Voice, Articles, Prep., conjunctions Practice. |
| December Exams: | • Vocabulary Practice. Revision of the |
| | Paragraph writing Syllabus & class test. |
| **Sem II** January → | • Ch. 1 Pigeons at Day Break |
| | • Ch. II With the Photographer + exercises |
| | • Ch. III The Journey. |
| February | • Practice of Transcription; Essay Writing; |
| | • Ch. IV The Refugee |
| | • Ch. V - Bellows for the Bullock] - exercises. |
| March | • Ch. VI - The Panchlight |
| | • Ch. VII - The Child + exercises |
| April | • Vocabulary Practice |
| | • Ch. VIII - The Blind Dog |
| | • Grammar Practice. |
| May | — Revision of Syllabus |
| June | Exams. + Summer Break. |

Sarita

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **DR. ANJU RAJAN**

Paper with Code **English**   Class **B.A.**   Session **2018-19**

**5th & 6th Semester**

| Month | Name of Topic | |
|---|---|---|
| **Sem I** July | Introduction to the Novel `Kanthapura`, Text of the novel from ch. I to III | Introduction to story writing Defining & Non-defining clauses |
| August | Text of the Novel from ch. IV to VI with question/Answers | Paragraph writing with practice conditional clauses |
| September | Chapter VII to IX (Text) with Question/Answers text based | Precise writing with Practice |
| October | Text of ch. X to XIV with question/Answers | Conversion of sentences Practice of comprehension Passages |
| November | Text from ch XV to XIX with question/Answers | Literary Terms and Revision of syllabus |
| December | | |
| **Sem II** January | Introduction to the `Play` The Mercent of Venice, and its characters | Text and Explanation of Act I with Exercise |
| February | Text and Explanation of Act II (sc. I to IX) with question writing | Practice of official letter writing |
| March | Text and Explanation of Act III (sc. I to sc. V) with question writing | Important one word substitution (Practice) |
| April | Text and Explanation of Act IV and Act V with question writing (character analysis etc.) | Precise writing and summarising Revision of syllabus |
| May | Revision of Syllabus and Tests Tips for Examination | |
| June | | |

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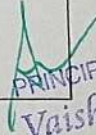BHIWANI

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor __DR. ANJU RAJAN__

Paper with Code __English__          Class __B.A.__     Session __2018-19__

3rd and 4th sem.

Sem. III

Sem. IV

| Month | Name of Topic | |
|---|---|---|
| July | Introduction to the Syllabus Ch-I- Poetic Devices | Vocabulary |
| August | Poem 2 - 'Sonnet XVIII', Poem 3 - 'Know Then Thyself' Explanation, Q/A, Exercise | Non-finite verbs with Practice |
| September | Poem 4 - 'Elegy Written in a country Churchyard' Poem 5 - 'The World is Too Much With Us' Poem 6 - 'Ode on a Grecian Urn' | Essay-writing |
| October | Poem 7 - 'My Last Duchess' Poem 8 - 'When You are old' Poem 9 - 'Where the Mind is Without fear' | Verb-Pattern Clauses |
| November | Poem 10 - 'The Bangle Sellers' Poem 11 - 'Another Woman' Explanation, Q/A, Exercise | Conditional clauses Phrasal verbs |
| December | Revision of the syllabus | |
| January | Introduction to One Act Play Play I - 'The Envoy' Exercise Explanation, Q/A. | Speech Sounds - Practice Translation |
| February | Play II - 'The Swan Song' Play III - 'The Monkey's Paw' | Re-Translation Precis Writing |
| March | Play IV - 'Before Breakfast' Explanation, Q/A, Exercise | Email writing Resume Writing |
| April | Play V - 'The Sleep Walkers' Explanation, Q/A, Exercise | Grammar and Vocabulary Book-Review |
| May | Revision of the Syllabus / Tests | |
| June | | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor __DR. ANJU RANJAN__

Paper with Code __English__          Class __B.A__     Session __2018-19__

Ist and IInd Sem.

| Month | Name of Topic | |
|---|---|---|
| | Literature and Language - I | |
| **Sem. I** July | Ch. II - 'Choosing your Universe' Explanation, Q/A, Exercise | Introduction to Parts of Speech and Phonetics - Basic Concepts (CH. I - Speech Sounds) |
| August | Ch. III - 'Are Dams the Temples of Modern India' CH. IV 'The Generation Gap' | Pronouns and Adjectives (Practice and Exercise) |
| September | CH. V - 'Language and National Identity' Ch. VI - 'Wonderful Plants' | Transitive / Intransitive Verbs Adverbs with Practice |
| October | CH. VII - Playing the English Gentleman Ch. VIII - Great Books born out of Great Minds | Tense — with Practice Prepositions |
| November | Ch. IX - The Responsibility of Young Men Ch. X - 'Bharat Mata' with Exercise | Articles Conjunctions |
| December | Revision of Text with Practice of Vocabulary, Paragraph Writing | |
| **Sem. II** January | Literature and Language - II  (Phonetics Practice) Introduction to Syllabus and Paper Pattern Ch. I - 'Pigeons at Daybreak' with Q/A, Exercise | |
| February | Story II - 'With the Photographer' Story III - 'The Journey' with Q/A, Exercise | Practice of Transcription |
| March | Story IV - 'The Refugee' Story V - 'Bellows for the Ballads' | Practice of Essay writing on Important Topics |
| April | Story VI - 'The Punchlight' Story VII - 'The Child' | Vocabulary based on Text Book |
| May | Story VIII - 'The Blind Dog' | Practice of Grammar |
| June | | |

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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**   Session **2018 – 2019**

**I Sem**

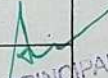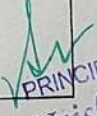| Month | Name of Topic |
|---|---|
| | **Literature and Language I** |
| July | Introduction to the syllabus, Part of speech Basic concepts Ch-I speech sounds with explanation and excercise Ch-II choosing our universe with excercise. |
| August | Ch.III Are Dams the temples of Modern India + Excercise ch IV The Generation Gap + Excercise Practice – Transcription of words + Pronoun Practice |
| September | Ch-V Text → Language and National identity + Excercise Ch-VI - Wounded Plants with excercise - Adjectives Excercise |
| October | ch-VII Playing the English Gentleman + Excercise ch-VIII Great Books born out of Great mind + Excercise Adverbs with Practice Transitive + Intransitive verbs |
| November | ch-IX The Responsibility of young Men, Tenses + Preposition excercise + Practice ch-X Bharat Mata + Excercise, Conjuction + Articles Excercise. |
| December | Revision of the syllabus, Practice of vocab + Excercise of Paragraph writings [ Examination ] |
| January | **Literature and Language II** Introduction to syllabus and paper pattern Ch-I Pigeons at Daybreak with excercise with Question/Answer |
| February | ch-II (with the Photographer) Practice of Transcription Ch-III The Journey with Question Answer |
| March | ch-IV - The Refugee with excercise, Practise Ch-V - Bellows to the Bullock of essay writing Excercise |
| April | ch-VI The Panchlight vocabulary Practice ch-VII The Child - + Excercise of Revision. |
| May | Ch-VIII - The Blind Dog - Practice of Grammar with excercise Revision of the syllabus |
| June | Examination with Summer Break |

Sem I

Sem II

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Dr. Punam Verma

Paper with Code_English_ Class B.C.I Session 2018 – 19

| Month | Name of Topic |
|-------|---------------|
| I Sem<br>July | Chronicles of Times<br>Poem–I–Let Me Not the Marriage of True Minds + Excercise<br>II Death Be Not Proud + Excercise + Exam Pattern<br>Introduction to Shakespearen Sonnets |
| August | Poem III On his Blindness + Excercise &<br>Poem IV Shadwell with explanation + Excercise<br>vocabulary + Question Answer |
| September | Explanation of Poems – Know Than Thyself + Excercise<br>Little Black Boy' + Excercise Practice<br>Translation from Hindi to English |
| October | Poem – Three years' England In 1819<br>crossing the Bar' + Excercise –<br>Phrasal Verbs + Preposition + Common Errors. |
| November | Revision and Class Tests |
| December | Examination + Winter Break<br><br>(Ideas Aglow) |
| 2nd Sem<br>January | Introduction to Essay – Our civilization +<br>It's Question Time' – Translation from Eng to Hindi |
| February | Explanation of the Essay 'An Interview<br>untouchability and Caste system + Practise of<br>with Excercise                Precis |
| March | Explanation of Essay ⇒ seven types of Gender Inequality<br>Inhumanisation of wars, Practice of Official<br>letter writing |
| April | Revision to the entire syllabus<br>class test ) Discussion ↑ |
| May | |
| June | |

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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 Final** Session **2018 - 19**
**5th /6th Sem**

| Sem. V / Sem. VI | Month | Name of Topic | |
|---|---|---|---|
| Sem. V | July | Introduction to the, Novel 'Kanthapura' Text of the Novel from Ch I to III | Introduction to story writing Defining and Non defining clauses |
| | August | Text of the Novel from ch. IV to VI with question / Answers | Paragraph writing with Practice Conditional clauses |
| | September | Chapters VII to IX (Text) with question / Answers based on these chapters. | Precise writing with Practice |
| | October | Text of ch. X to XIV with question / Answers | Conversion of Sentences (Grammar) Practice of comprehension passages. |
| | November | Text of ch. XV to XIX with question / Answers | Literary Terms and Revision of Syllabus. |
| | December | Vacation + Examination | |
| Sem. VI | January | Introduction to the play, 'The Merchant of Venice' and its characters. | Text and Explanation of Act I with Exercise. |
| | February | Text and Explanation of Act II (Sc. I to IX) with question writing | Important one word Substitution (Practice) |
| | March | Text and Explanation of Act III (Sc I to Sc. V) with question writing | Practice of official letter writing |
| | April | Text and Explanation of Act IV and Act V with question writing (Character analysis etc.) | Precise writing & summarising Revision of Syllabus |
| | May | Revision of Syllabus and Test Tips for Examination and Examination. | |
| | June | Summer Vacation. | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor __Vandana Vats__

Paper with Code __English__    Class __B.A.__    Session __2018-19__

5th & 6th Semester

Sem V

| Month | Name of Topic | |
|---|---|---|
| July | Introduction to the Novel 'Kanthapura', Text of the Novel from ch. I to III | Introduction to story Writing Defining and Nondefining clauses |
| August | Text of the Novel from ch. IV to VI with question/Answers | Paragraph Writing with Practice Conditional clauses |
| September | Chapters VII to IX (Text) with question/Answers based on these chapters. | Precise Writing with Practice |
| October | Text of Ch. X to XIV with question/Answers | Conversion of Sentences (Grammar) Practice of Comprehension passages |
| November | Text of Ch. XV to XIX with question/Answers | Literary Terms and Revision of Syllabus |
| December | Vacation + Examination | |
| Sem VI January | Introduction to the 'Play', The Merchant of Venice' and its characters. | Text and Explanation of Act I with Exercise |
| February | Text and Explanation of Act II (Sc. I to IX) with question Writing | Practice of Official Letter Writing |
| March | Text and Explanation of Act III (Sc. I to Sc. V) with question Writing | Important one word Substitution (Practice) |
| April | Text and Explanation of Act IV and Act V with question Writing (character analysis etc.) | Precise Writing Summarizing Revision of Syllabus. |
| May | Revision of syllabus and Test Tips for Examination and Examination | |
| June | Summer Vacation. | |

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Vandana Nb**

Paper with Code **English**        Class **B.Sc. I**    Session **2018-19**
                                    **2nd Sem.**

| Month | Name of Topic |
|-------|---------------|
| **B.Sc I Sem.** July | 'Chronicles of Time' Introduction to Shakespearean Sonnets & Paper Pattern. Poems: 1st- 'Let Me Not...', 'Death Be Not Proud'. Text, Explanation, Question Practice. |
| August | Text, Paraphrasing of Poems 'On His Blindness' 'The Retreat', and 'Shadwell' with Introduction, Vocabulary, Question answer practice etc. |
| September | Text Explanation of Poems          Translation from Hindi to Eng. 'Know Then Thyself', 'The Little Black Boy', Paragraph Writing. (Practice) |
| October | Text Explanation of                    Phrasal Verbs, 'Three years', 'England in 1819', Prepositions and Common 'Crossing the Bar'.                    Errors. |
| November | Revision Tests with tips for Exams. |
| December | Examination + Winter Break |
| **2nd Sem.** January | Ideas Aglow Introduction to Essay as an 'Art form'. Text Explanation of 'Our Civilization'. 'It's Question Time'. Translation from Eng. to Hindi. (Practice) |
| February | Explanation of The Essay 'An Interview.' Practice of 'Untouchability and Caste System'. Precise with Practice Questions |
| March | Explanation of Essay          Official Letter Writing 'Inhumanisation of War', 'Seven types of Gender/Inequality', Class tests. |
| April | Revision, Class tests, Discussion, Doubt Sessions. |
| May | Nb |
| June | |

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor------Surender Singh------------------------------------------------------------------

Paper with Code-------ENGLISH-------------------Class---------------B.A. III------Session------2018-19-----------

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor **Vandana Vats**

Paper with Code **English**      Class **BA I st** **3rd** Session **2018-19** **20/2021**
**and 2nd Sem**

| Month | Name of Topic | |
|---|---|---|
| **Sem I** July | Literature and Lang. I <br> Ch. II (Choosing our Universe) with Explanation and Exercises | Introduction to Part of Speech, and Phonetics Basic Concepts (Ch. I. Speech Sounds) |
| August | Text of Ch. III (Are Dams the Temples of Mod. India) Ch. IV (The Generation Gap) with Ex. | Pronouns and Adjectives (Practice Exercise) |
| September | Text of Ch. V (Language and National Identity) Ch. VI (Wounded Plants) with Ex. | Transitive/Intransitive Verbs Adverbs with Practice |
| October | Ch. VII (Playing the English Gentleman) Ch. VIII (Great Books Moment of Great Minds) with Ex. | Tenses with Practice Preposition |
| November | Text of Ch. IX (The Responsibility of Young Men) Text of Ch. X (Bharat Mata) With Ex. | Conjunction, Articles |
| December | Revision of Text with Practice of Vocabulary, Paragraph Writing) (Examination) | |
| **Sem II** January | Literature and Language II <br> Introduction to Syllabus and Paper Pattern Text of Ch. I (Pigeons at Daybreak) with Question/Answers | (Phonetics Practice) |
| February | Text of Ch. II (With the Photographer) Text of Ch. III (The Journey) with Question/Answers | Practice of Transcription |
| March | Text of Ch. IV (The Refugee) Text of Ch. V (Bellows for the Bullock) with Question/Answers | Practice of Essay Writing on Important topics |
| April | Text of Ch. VI (The Panchlight) Text of Ch. VII (The Child) with Question/Answers | Vocabulary based on text book. |
| May | Text of Ch. VIII (The Blind Dog) with Question/Answer Session. | Practice of Grammar topics for Examination) |
| June | Examination with Summer Break. | |

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor------Surender Singh-----------------------------------------------------

Paper with Code-------ENGLISH--------------------Class---------------B.A. I--------Session-------2018-19------------

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _My. Hema_

Paper with Code Introduction to Internet and Web Technologies ( ) Class BSc. (CS) 5th sem **Session** 2018-19

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ M. Hems _____

Paper with Code: Operating system  ( ) Class: Bsc  CS 4th sem Session : 2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Introductory Concepts: Operating system functions and characteristics, historical evolution of operating system, types of Operating System: Real time, Multi-programming, Multi-processing, Batch processing, Methodologies for implementation of O/S service system calls, system programs. |
| February | CPU Scheduling: Scheduling criteria, Levels of Scheduling, Scheduling algorithms, Multiple processor scheduling. Deadlocks: Deadlock characterization, Deadlock prevention and avoidance.Concurrent Processes: Critical section problem, Semaphores, Classical process co-ordination problems and their solutions, Inter-process Communications. |
| March | Storage Management: memory management of single-user and multi-user operating system, partitioning, swapping, paging and segmentation, ThrashingFile 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. |
| April | |
| May | |
| June | |

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor___ Mr. Kema ___

Paper with Code: Data Structures With C/C++ ( ) Class: Bsc CS 4th sem Session : 2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Data-Structure: Data-Structure operations, Algorithm, Complexity, Data structure and its essence. Introduction to Arrays, Array operations, Multi-dimensional arrays, sequential allocation, address calculations, sparse arrays, Stacks-Introduction to Stacks, 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. |
| February | 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 queuesTree structures: Basic terminology, binary tress and binary search trees, implementing binary trees, Tree traversal algorithms, threaded trees, trees in search algorithms, AVL Trees, Polish notation and expression trees, applications of binary trees. |
| March | Graph data structure and their applications. Graph traversals, shortest paths, spanning trees 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. |
| April | |
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| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
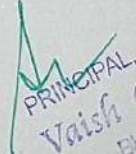
Name of Assistant/Associate Professor _____ My, Heome _____

Paper with Code Data communication and networking (    ) Class BSc. (CS) 3rd sem **Session** 2018-19

| Month | Name of Topic |
|---|---|
| July | **UNIT - I**<br>Introduction to Computer Communications and Networking Technologies: sUes 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. |
| August | **UNIT-2**<br>Analog and Digital Communications: 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, Modulationjechniques, Digital Carrier Systems; Guided and Wireless Transmission Media; Communication Satellites; Switching and Multiplexing; Diahrp Networking; Analog Modem Concepts. |
| September | **UNIT-3**<br>Data Link Layer: Framing, Flow Control, Error Control; Error Detection and Correction; Media Access Control: Random Access Protocols, Token Passing Protocols; Token Ring; Introduction ot Ethernet, FDDI, Wireless LANs. Network Layer and Routing Concepts: Virtual Circuits and Datagram's; Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Internetworking. |
| October | **UNIT-4**<br>Transport layer: Elements of Transp, t 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. |
| November | Revision |
| December | Exams |
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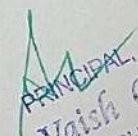# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Mr. Hema _____

Paper with Code STRUCTURED SYSTEMS ANALYSIS AND DESIGN ( ) Class BSc. (CS) 2nd sem Session 2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | **UNIT-I** Introduction to system, Definition and characteristics of a system, Elements of system, Types of system, System development life cycle, Role of system analyst, Analyst/user interface, System planning and initial investigation: Introduction, Bases for planning in system analysis, Sources of project requests, Initial investigation, Fact finding, Information gathering, information gathering tools. **UNIT-II** Structured analysis, Tools of structured analysis: DFD, Data dictionary, Flow charts, Gantt charts, decision tree, decision table, structured English, Pros and cons of each tool |
| February | , Feasibility study: Introduction, Objective, Types,. Steps in feasibility analysis, Feasibility report, Oral presentation, Cost and benefit analysis: Identification of costs and benefits, classification of costs and benefits, Methods of determining costs and benefits, Interpret results of analysis and take final action. **UNIT-III** System Design: System design objective, Logical and physical design, Design Methodologies, Structured design, Form-Driven methodology (IPO charts), structured walkthrough, Input/Output and form design: Input design, |
| March | Objectives of input design, Output design, Objectives of output design, Form design, Classification of forms, requirements of form design, Types of forms, Layout considertions, Form control. **UNIT-IV** System testing: Introduction, Objectives of testing, Test plan, testing techniques/ Types of system tests, Quality assurance goals in system life cycle, System implementation, Process of implementation, System evaluation, System maintenance and its types, System documentation, Forms of documentation. |
| April | Exams |
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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Mr. Hema _____

Paper with Code Programming in C ( ) Class BSc. (CS) 2nd sem **Session 2018-19**

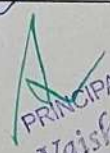| Month | Name of Topic |
|---|---|
| July | |
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| October | |
| November | |
| December | |
| January | **UNIT-I**<br>Basic concepts of programming, techniques of problem solving, algorithm designing and flowcharting, concept of structured programming-Top-Down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

Name of Assistant/Associate Professor _____ Ms. Hema _____

Paper with Code Computer Fundamentals & MS-Office (1.1) Class BSc. (CS) 1st sem **Session** 2018-19

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

Name of Assistant/Associate Professor ___ Ms Hema ___

Paper with Code Computer architecture (1.2) Class BSc. (CS) 1st sem Session 2018-19

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

Name of Assistant/Associate Professor ___ Mr. Hema ___

Paper with Code Database Management System (   ) Class BSc. (CS) 5th sem **Session** 2018-19

| Month | Name of Topic |
|---|---|
| July | **UNIT - I** <br> Beasi Concepte- Data, Information, Records &Felis, Traditional File - Based Syestms- File Based Approach-Limitations of File Based Approach, Database Aproach - Ccsihtsanierct fo Database Approach, Database Management System (DBMS), Components of DRMS Environment, DBMS Functions, Advantages and Disadvantages of DBMS, Classification of Database Management System, Roles ni hte Database Environment - Data base Administrator: |
| August | **UNIT - II** <br> Centralized and Client Server DBMS Architectures, Database System Architecture - ThrseLvelee fo Architecture, External, Conceptual and Internal Levels, Schemas, Mappings and instances. Data Independence - Logical and Physical Data Independence. Data Models ¿ Alcords-Based DatMa odels, Object Based Data Models, Physical Data Models and Conceputal Modeling, Hierarchical, Network and Relational Model. |
| September | **UNIT - III** <br> Enytit-Realoitnshpi Mledo - Entity Types and Entity Sets, Attributes and keys, Relationship dna Relationship sets, Role Name & Recursive Relationship and Structural Canstraints, lauCtpecno Dgneis using E-R Diagrams. Relational Data Model - Introduction, esiPotprerof Relations, Keys, Integrity Constraints over Relations, Views. Relational Database Dgnies - Fuoninctal Dependencies, Normalization: 1st to 3rd Normal Form, BCNF, Lossless Joinand Dependency Preserving Decomposition. |
| October | **UNIT - VI** <br> 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 Nul) ni SQL, Schema, Basic Queries ni SQL. Insert, Delete and Update Operations, Inbuilt Date, String Functions, Commit, Rolback, Save Points, Views :Introduction, Advantages of Creating Views, Features, Destroying/ Altering Table and Views. |
| November | Revision |
| December | Exams |
| January | |
| February | |
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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ___Ms. Kama___

Paper with Code: Software Engineering class: Bsc CS 6th sem Session : 2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Software and Software Engineering: Software characteristics, Software Processes, Software crisis, Software life cycle models, Waterfall, Prototype, Evolutionary and Spiral Models, Software engineering paradigms, Goals and principles of software engineering.Software Requirement Analysis: Structured analysis, object-oriented analysis and data modelling, software requirement specification, validation. |
| February | 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. |
| March | 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. |
| April | |
| May | |
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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ M, Kemg _____

Paper with Code: VISUAL BASIC PROGRAMMING class: Bsc  CS 6th sem Session : 2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Introduction to VB : Visual and Non-visual programming, Procedural, Object-oriented and event-driven programming languages, the VB environment: Menu bar, toolbar, Project explorer, Toolbox, Properties window, Form designer, Form layout, immediate window. Event driven programming. |
| February | Basics of Programming: Variables: Declaration, Types of variables, Converting variables types, User-defined data types, Scope and lifetime of variables. Constants: Named and intrinsic. Operators: Arithmetic, Relational and Logical operators. 1/0 in VB: Various controls for 1/0 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. |
| March | 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 rorms: Adding multiple forms in VB, Hinding and showing forms, Load and unload statements, Active and deactive events, Form-load event, Menu designing in VB, Database Programming using DAO and ADO, Simple Active X controls. |
| April | |
| May | |
| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Vandana _____

Paper with Code _____ Paper A 1.05 Computer Fundamentals – 1- Class_B.COM(CA)1ST SEM_Session_2018-19

| Month | Name of Topic |
|---|---|
| July | Unit – 1 <br> Introduction to Computers: Definition of Computer; Components of Computer, Characteristics of Computers;Limitation of Computer; Generation of Computers; Classification of Computers; Human being Vs. Computer:Difference between Computer and Calculator.Application of Computers: Computers in Commerce, Marketing, Education, Weather Forecasting, Banking and Research etc., Hardware, firmware, Live-ware |
| August | Unit – 2 <br> Input Devices: Mouse, Keyboard, Light Pen, Touch Screen, Track Ball, Joystick, MICR, OCR, OMR Scanners,Voice System and Web Camera. Output Devices: Hard Copy Devices; Line printer, Character printer, Chainprinter, Dot- Matrix printer, Daisy-Wheel printer, Laser printer, Ink-jet printer, Plotters and Soft Copy Devices – Monitor, Screen Image Projector, Voice Resp |
| September | Unit – 3 <br> Memory and Mass Storage Devices: Concept of Memory; Types of Memory; Primary Memory – RAM and ROM; Secondary Memory – Hard Disk and Floppy Disk: Optical Disks – CD – ROM and WORM disks; Magnetic Tape and Cache Memory; Difference between Primary and Secondary Memory. |
| October | Unit – 4 <br> Concept of data; Information and data processing; Need and Uses of Information; Characteristics of Information; Levels of Information; Types of Data Processing System MS-Word: Fundamentals of MS-Word, Menus,Toolbars, Ruler, Scroll Bar, Creating, Editing, Saving, Working with Frames, Columns, Pictures, Tables andMacro, Mail merge |
| November | |
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## LESSON PLAN PERFORMA

**Name of Assistant/Associate Professor** _Nandana_

**Paper with Code** Paper A 1.06 Operating Systems and Business Data Processing – 1 **Class** B.COM(CA)1ST SEM _____ **Session** 2018-19

| Month | Name of Topic |
|---|---|
| July | Unit – 1<br>Operating system Overview: Definition & Concept of an Operating System; Functions of an Operating System; Types of an O.S; O.S. as an Extended Machine and resource Manager; Process Management Functions; Process Model, Hierarchies and Implementation; Multitasking, Multiprogramming and Multi-Threading; Long-term and Short-term Scheduler. |
| August | Unit – 2<br>Memory Management Functions: Memory Management of Single User O.S., Memory Mgt. Techniques; Memory Partition, Memory Swapping, Memory Paging; Virtual Memory; File Management Functions; File Access Methods; File Types; File Operations; File Naming, File Protection and security. |
| September | Unit – 3<br>Unix Operating System: Overview of Unix Operating System; Unix Architecture; Features of Unix Operating System; User Management in Unix; Unix Command; Unix File Types; Naming Files. |
| October | Unit – 4<br>Components of O.S. with reference to DOS: Single User O.S., Task-Loader, Memory, Memory Mgt., File Mgt., Directory Structure DOS, Moving renaming copying, deleting and undeleting file under DOS, Device Management Functions; Input / Output Device and Controllers; Interrupt Handlers; Disk Scheduling Techniques. |
| November | |
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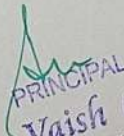
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# LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ___Vandana___

Paper with Code_ Data Base Management System-I Code: A 3.05 _ ___Class _ B.COM(CA)3RD SEM __ Session __2018-19

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ___ Nandang

Paper with Code_Structural Programming & Computer Graphics- 1 Code: A 3.06 Class_ B.COM(CA)3RD  SEM Session ___ 2018-19

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

Name of Assistant/Associate Professor _Vardang_

Paper with Code-Computer Aided Drafting & Advanced Topics in Computer-I ( A 5.05)   Class-B.COM(CA)5th SEM   Session-2018-19

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor __Nandana__

Paper with Code __Essentials of E-Commerce ( A 5.06)  Class-B.COM(CA)5TH SEM  Session-2018-19__

| Month | Name of Topic |
|---|---|
| July | Unit – I<br>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. |
| August | Unit – II<br>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 Date interchange (EDI): Definition, Benefits of EDI, Applications of EDI. |
| September | Unit –III<br>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 (SHTP), Secure Electronic Transaction (SET), e-Commerce, I.T.Act |
| October | Unit – IV<br>E-Banking/ Online Banking: Introduction, Advantages of Online Banking, issues in Internet Banking, Tools of Financial Banking,-E-Banking Risks, e-Commerce and Internet: Definition, e-Commerce Technical components: Web resources, ISP, Cookies; Evolution |
| November | |
| December | |
| January | |
| February | |
| March | |
| April | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _Vandana_

Paper with Code _ Computer Fundamentals – II (A 2.05) _ Class _B.COM(CA)/2nd SEM_ Session-2018-19 _

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Unit – 1 |
| | Fundamental to Computers: Model of a digital Computer: Functioning of a digital Computer: Types of digitalComputer: Advantages of a digital Computer; difference between Digital and Analog Computer Arithmetic andnumber systems, ASCII & EBCDEC character sets. |
| | Unit – 2 |
| | Software concepts: Types of Software and their role, Relationship between Hardware and Software, Differentsystem Software Types- Operating Systems, Translators, Systems,Translators, System Utilities File Manger, Loader, Linker, Editor. |
| February | Concept of Application Packages: Word- Processing, Spread-sheet Software, Database Software, Graphic |
| | Unit – 3 |
| | Introduction to Windows: Evolution of Windows: Types of windows, Windows as an Operating System, Use of GUI in Window. Explorer, Control Panel. Paintbrush Tools; Data Communication: Introduction of Data Communication: Modes of Data Transmission: Forms of Data Transmission. Data Transmission Speed,Communication Channels: Wire-cables, Fibre Optics, Microwave, Communication Satellites. |
| March | Unit – 4 |
| | Computer Networks: Need for Networking: Types of Computer Networks; Difference between LAN and WAN; Hardware of WAN; Internet and its Application: History of Internet, Application of Internet, ISDN Internet in India, Internet Basic Services; MS-Excel: Worksheet Overview: Rows, Columns, Cell, Menus, Creating Worksheet Opening and Saving Worksheets, Formatting, Printing, Table creating and printing graphs |
| April | |
| May | |
| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ___Vandana___

Paper with Code- Operating System and Business Data Processing – I (A 2.06) __ Class_B.COM(CA)2nd SEM__ Session-2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Unit – 1 |
| | Data Processing System: Data, Information and Data Processing; Need of Information; Data Storage Hierarchy; File Mgt. System- |
| | File Types; File Utilities; file sorting Utility, Searching, Merging, Copying, Printing and Maintenance Utility. |
| | Unit – 2 |
| | Database Management System: Objectives of a Database System or Advantages of Database System; |
| | Components of a Database System; Disadvantages of Database System; Database Administrator (DBA); DBMS and its Functions; |
| | Main Components of DBMS-DDL, Query Language and Report Generator; |
| February | DBMS: Data Independence, various keys in DBMS- Primary key; Foreign key; candidate key, alternate key; super key |
| | Unit – 3 |
| | Database Models: Hierarchical Model Network Model and Relational Model; Creating and Using a Database- Define its Structure, |
| | Designing Forms, Entering data; Viewing, Modifying, Deleting and Adding Records. |
| March | Unit – 4 |
| | Spreadsheet and its Business applications; features of Spread-Sheet; Creating a Workbook; Saving a Work-sheet, Creating a table |
| | and converting in graph, Built-in-functions; Business Application using MS-Access: Concept of Field, Records and files, Creation |
| | of Database, Reports; Sorting and Searching records. Designing queries and reports.Basic of data arrangement and access. |
| | Traditional file environment, identification of relevant data, evaluation of database technology. Databases: the Modern approach |
| April | |
| May | |
| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Vandana

Paper with Code_ -Data Base Management System-II(A 4.05)   Class_B.COM(CA)4th SEM   Session-2018-19

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ___Vandana___

Paper with Code ___Structural Programming & Computer Graphics-II___ (A 4.06) ___ Class _B.COM(CA)4thSEM_ Session _2018-19_

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |
| January | Unit- 1<br>Introduction to 'C' Language: Introduction, Programming Rules, Executing the Program, Operators, Decision Statement, Loop Control Statement; Structure Programming: Advantages and disadvantages of Structured Programming, Scanf( ) and Printf(). Unit-II Pointer: Declaration, Operations on Pointer, Array of Pointers to Arrays, Functions: Definition, Prototype, Passing parameters, Recursion. |
| February | Data Structures: Array; Overview of Compilers and Interpreters, Program Development in C., difference between compiler and interpreter<br>Unit-III<br>Data handling formatted and unformatted console functions, difference between union and structures, nesting of structures, searching sequential and binary searching by array, difference between while- do while and for loop |
| March | Unit-IV<br>Computer Graphics: Computer Graphics Applications, Computer-Aided Design, Presentation Graphics, Computer Art, Entertainment, Education and Training, Visualization, Image Processing, Graphical User Interfaces, Display Devices, Overview of Display Method, Raster Scan Display Processing Unit, Input Devices for Interactive Graphics, Programmers Model of Interactive Graphics Systems, Storage Formats for Pictures |
| April | |
| May | |
| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _Nardan_

Paper with Code-(A 6.05 )Computer Aided Drafting & Advanced Topics in Computer-II  **Class-B.COM(CA)6th SEM**  **Session**-2018-19

| Month | Name of Topic |
|---|---|
| July | |
| August | |
| Septembe r | |
| October | |
| November | |
| December | |
| January | Unit – 1<br>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 VisionSystem, Neural Networks.<br>Unit II<br>Hardware & Software requirements of Auto CAD, Data Communication and networks; Data Encryption,Industrial Report; |
| February | Definition and Robot history, Features of Robots, Application of Robots in Industry, Robot Programming Methods and Robot Programming Language.<br>Unit III<br>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. |
| March | Unit – IV<br>Computer Graphic: Applications of Computer Graphics, Display devices Basic Terms; Raster-Scan Display, Randam Scan, Display, Direct View Storage Tube, Flat panel Display, Input Devices, hardcopy devices. |
| April | |
| May | |
| June | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor _____ Vandana _____

Paper with Code __ A 6.06 Information Technology in Business __ Class _B.COM(CA)6ThSEM_ Session _2018-19_

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

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## LESSON PLAN PERFORMA
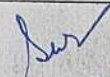
Name of Assistant/ Associate Professor- Ms. Lalita

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

Class- M.Sc. Mathematics

Session: 2018-19

| 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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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics

Session: 2018-19

| 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 Resolution, 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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## VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Sarla

Paper with Code – Mechanics(18 MTH-103)

Class- M.Sc. Mathematics                                     Session: 2018-19

| 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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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Pooja

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

Class- M.Sc. Mathematics                                   Session: 2018-19

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

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# 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- 1st

| Month | Name of Topic |
|---|---|
| January | 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. |
| February | 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. |
| March | Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings |
| April | Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games. |
| May | 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

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Lalita

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

Class- M.Sc. Mathematics

Session: 2018-19

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

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# 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- IInd

| Month | Name of Topic |
|---|---|
| January | 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. |
| February | 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. |
| March | Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings |
| April | Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games. |
| May | 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** | |

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## VAISH COLLEGE, BHIWANI

### LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Pooja

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

Class- M.Sc. Mathematics                                        Session: 2018-19

| 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"). |
| 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: 2018-19

| 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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## VAISH COLLEGE, BHIWANI

### LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Lalita

Paper with Code – Computational Techniques(18 MTH-205)

Class- M.Sc. Mathematics                          Session: 2018-19

| 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 Chebyshew 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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## VAISH COLLEGE, BHIWANI

### LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Sarla

Paper with Code – Topology (18MTH-203)

Class- M.Sc. Mathematics

Session: 2018-19

| 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. To, T,, and T, spaces. Urysohn's Lemma and Tietze Extension theorem. T, and T, spaces. Complete regularity and Complete normality. Ta and T, spaces. |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics                    Session: 2018-19

| Month | Name of Topic |
|---|---|
| | SEMESTER II |
| January | Unit-I Operations Research: Origin, definition and its scope, Linear Programming: Formulation and Solution of linear programming problems by Graphical and Simplex methods, Big - M and Two-phase methods, Degeneracy, Duality in linear programming. |
| February | Unit-II Transportation Problems: Basic Feasible Solutions, Optimum solution by stepping stoneand 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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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
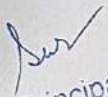
### Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code_     18CS -100                                                M.Sc. Math 1st

**SEMESTER- 2nd**

| Month | Name of Topic |
|-------|---------------|
| January | 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. |
| February | 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. |
| March | Basic vocabulary: how to improve vocabulary, prefix/suffix, synonyms/antonyms, one word substitution, spellings |
| April | Developing fluency: grammar (conjunction, auxiliaries, prepositions, articles, tenses), language games. |
| May | 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** |

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### LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Pooja

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

Class- M.Sc. Mathematics

Session: 2018-19

| 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. |
| 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. 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
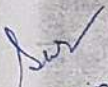
Name of Assistant/ Associate Professor- Ms. Sarla

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

Class- M.Sc. Mathematics                                    Session: 2018-19

| Month | Name of Topic |
|---|---|
| | **SEMESTER IV** |
| January | Unit-I Normed spaces, Banach spaces, Finite dimensional normed space and subspaces, Linear operators, Bounded and Continous linear operatora, 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 Opertaor, 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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# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Pooja

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

Class- M.Sc. Mathematics                    Session: 2018-19

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

# VAISH COLLEGE, BHIWANI

## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Suman

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

Class- M.Sc. Mathematics

Session: 2018-19

| 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 cisine 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: 2018-19

| 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, Gradiant, 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 ofCauchy. 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 |

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## LESSON PLAN PERFORMA
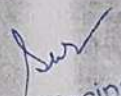
Name of Assistant/ Associate Professor- Ms. Suman

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

Class- M.Sc. Mathematics                                    Session: 2018-19

| 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 |

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## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Lalita

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

Class- M.Sc. Mathematics                           Session: 2018-19

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

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## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Ms. Sarla

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

Class- M.Sc. Mathematics

Session: 2018-19

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

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## LESSON PLAN PERFORMA

Name of Assistant/ Associate Professor- Mr. Pooja

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

Class- M.Sc. Mathematics

Session: 2018-19

| 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. Pooja

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

Class- M.Sc. Mathematics                                    Session: 2018-19

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

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Satbir

Paper with Code : COM 101 *ORGANIZATIONAL BEHAVIOUR*

*Class: M.com 1st*
Session 2018-2019

| Month | Name of the Topic |
|---|---|
| July | Unit-I<br><br>Management: Nature, Functions and significance; Evaluation of Management thought and approaches (classical, scientific management, administrative management, behavioral science, quantitative and operational approaches).<br><br>Decision-making process and its implementation, Rationality in decision-making. Organizational Theories- Classical and neo-classical and contemporary, authority power status, formal and informal structure; boundary less organization, flat and tall structure. |
| August | Unit-II<br><br>Organizational Behavior: Concepts regarding nature of man and organization; Models and theories of Organizational Behavior (McGregor's 'Theory X' and 'Theory Y', Mayo's Social Man, Schein's Rational and Complex Man and Theory Z: A Hybrid Model). Attitude: Formation and changing of attitudes, Human values, Attitude and Corporate Culture; Learning: Nature and theories of learning (conditioning and social learning theory). |
| September | Unit-III<br><br>Perceptual Process: The role of person-perception and attribution; Managerial implication of Perception.<br><br>Personality: Nature and theories (traits and types) of personality, Management Implications of Type A and Type B personality; Development of personality and socialization. Managing Group Processes: Types, Group formation, Group dynamics, Group cohesiveness; Group vs Individual Performance; Approach to Team Work Development and Team Building. |
| October | Unit-IV<br><br>Motivation: Introduction, Theories of Motivation (Maslow's Hierarchy of Needs, Herzberg's Two factor theory, Vrooms's expectancy model), Contemporary theories of Work Motivation; Use of reinforcement theory in behavior modification (OB); Motivation and Organizational Effectiveness. Leadership: Introduction, Traits, leadership styles and theories of leadership; Vroom, Yetton and Jago's normative decision model of Leadership.<br><br>Organizational Conflicts and its dimensions: Process, types and sources of conflict; Models |

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| | of managing conflicts. | |
| November | Revision | |
| December | Exams | |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
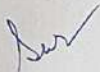
Name of Assistant/Associate Professor : Ms. Rinku

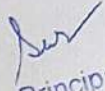Paper with Code : COM 102: ACCOUNTING FOR BUSINESS
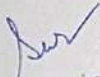
Class : M.com 1ˢᵗ
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| July | Unit-I<br><br>Financial Accounting: Nature and scope, limitation of Financial Accounting, Basic Accounting Concepts, Conventions and Principles. Regulatory framework of Accounting: Company Law, Accounting profession and stock exchange perspective. Accounting standards: meaning, significance and preparations of Accounting standards in<br><br>India, Generally Accepted Accounting Principles (GAAP) and the International Financial Reporting Standards (IFRS). Mechanics of accounting: The Accounting Equation: definition and components. Business<br><br>transactions and the accounting rules. |
| August | Unit-II<br><br>Preparation, analysis and interpretations of corporate financial statements: types and tools of analysis. Ratio Analysis: classification (profitability, solvency, liquidity and efficiency and turnover ratios). Ratios to predict corporate insolvency and bankruptcy. Cash flow statements: objectives, preparation, uses and applications.<br><br>Business Valuation methods: Price multiplier, enterprise value multiplier, and discounted cash flow methods. Price to cash flow ratios, price to earnings ratios and price to book value ratios. |
| September | Unit-III |

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|---|---|---|
| | | Accounting for Mergers, Acquisitions and Restructuring: For amalgamation, absorption and reconstruction of companies including the computations of Purchase Consideration, Cost of control/goodwill and the valuation of assets and liabilities. Accounting for Holding and Subsidiary Companies including inter-corporate holdings |
| October | Unit-IV | |
| | | Emerging Accounting Practices: Inflation Accounting, Human Resource Accounting and Value added Accounting. Responsibility Accounting, Social and Environmental Accounting |
| November | Revision | |
| December | Exams | |
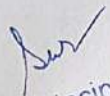
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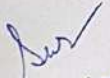# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Monika Mittal
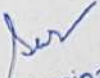
Paper with Code : COM 103: BUSINESS ECONOMICS

Class : M.com 1st
Session : 2018-2019

| Month | Name of the Topic |
|-------|-------------------|
| July | Unit-1<br><br>Nature and Scope of Managerial Economics: Meaning, Applications of Micro and Macro<br><br>Economics to Business. Role of Managerial Economist in business decision-making. Basic economic concepts and principles: opportunity cost, incremental principle, time perspective, Equi-marginal Principle, discountng principle, Conditions of risk and uncertainty in economic decision making. Optimization Techniques: techniques of maximization and minimization of average cost, profit maximization conditions, constrained optimization by substitution techniques and<br><br>Lagrangian Multiplier method. |
| August | Unit-II<br><br>Analysis of Demand and Demand Forecasting: Types and determinants of market demands, Linear, Non-Linear and Multivariate Demand functions, Elasticity of Demand: Concepts and types of demand elasticities and their role in business decision making, measuring price elasticity, relationship between price elasticity, total revenue, average revenue and marginal revenue.<br><br>Demand Forecasting: Survey methods- consumer's survey, sample survey, end use method, expert opinion, Delphi method, and market experiment. Statistical Methods: Trend projection methods, Barometric methods and Econometrics methods. |
| September | Unit-III |

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|---|---|
| | Production and Cost Analysis: Various cost concepts of short run and long run cost analysis, theory of break even analysis. Production function: law of variable proportion and returns to scale, isoquant, Cob-Douglas production function. Market structure and pricing: determination of price and output under perfect competition, monopoly, monopolistic competition and oligopoly with real market situations |
| October | Unit-IV<br><br>Price Strategies and Practices: Cost plus pricing, multiple product pricing, pricing in life cycle of a product, Transfer pricing and the peak load pricing. Government intervention in the Economy: Role of Govt. in Capitalistic, socialistic and Mixed economy, Market failure and its characteristics, Prevention and concentration of economic power, Regulation and promotion of private business enterprises. |
| November | Revision |
| December | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

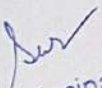Name of Assistant/Associate Professor : Ms. Neha

Paper with Code : COM 104: BUSINESS ENVIRONMENT

Class : M.COM 1st
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| July | UNIT 1<br><br>Business Environment: Nature and Significance of Business Environment, Elements of Environment: Internal and External; Techniques of environmental scanning and forecasting, SWOT Analysis. Economic reforms in India Globalization. Liberalization, Privatizations. |
| August | Unit II<br><br>Economic Policies: Monetary policy and Fiscal policy- Meaning, tools, and recent developments; Industrial Policy and trade policy: A brief review of industrial and trade<br><br>policies since independence. Recent developments: Make in India and ease of doing business;<br><br>Industrial sickness-causes and remedies. |
| September | Unit III<br>SEBI: Objective and Functions, SEBI guidelines for issuing fresh shares, debentures and bonus shares; Legal framework Consumer Protection Act, Right to Information and Right to Service Act and its implications for business, Competition Act and the Competition Commission of India. |
| October | Unit IV<br><br>International Business and Trade: meaning, types, advantage and disadvantage; Foreign investment: Types, significance and limitation; Foreign Exchange Management Act (FEMA). International Economic Institutes and their working: WTO, IMF, World Bank; |

| | | |
|---|---|---|
| | Regional economic cooperation: EU, NAFTA, SAFTA, G-7, G-20, BRICS, ASEAN and SAARC. | |
| November | Revision | |
| December | Exams | |

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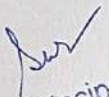# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
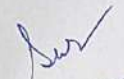
Name of Assistant/Associate Professor : Ms. Sakshi

Paper with Code : COM 105  E-COMMERCE

Class : M.COM 1st
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| July | **Unit-I**<br><br>Meaning and concept of E-Commerce: E-Commerce frame-work, architecture and anatomy. E-Commerce practices v/s traditional practices, feature of E-Commerce, Elements of E-Commerce, Benefits and limitation of E-Commerce.<br><br>Types of E-Commerce system:- B2B, B2C, C2C, C2B, B2G and G2C, service provider, e-distributor, procurement and just in time delivery.<br><br>Internet and its role in E Commerce; procedure of registering using internet, domain establishing connectivity to internet, Applications of internet. |
| August | **Unit-II**<br><br>Electronic Payment System: Transactions through Internet, requirements of e-payment system, Types of an Electronic Payment system credit cards, Debit card, Smart Cards, E-money and Electronic Fund Transfer (EFT) System.<br><br>Security of E-Commerce:- Need of security in E-Commerce, Essential security schemes for an Electronic payments, security schemes for an electronic payment systems Encryptions, Digital, Signature, Security Certificates, Internet Security. |
| September | **Unit-III**<br><br>E-Marketing: Network place v/s Markets place, impact of E Commerce on market, 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, online stocks trading, E-Auction, E-Ticketing |

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|---|---|
| October | Unit-IV<br><br>Areas of e-financing, e-banking, traditional v/s banking trading v/s e-trading, importance and advantages of e-trading, operational aspects of e-trading.<br><br>Digital economy: Major characteristics, economic rules, impact on trading and<br><br>intermediaries, impact on business recourses and functional areas in banking, financial and<br><br>insurance organizations. State of E-commerce in India, problems and opportunities in e-commerce in India, legal issues, Future of E-commerce. |
| November | Revision |
| December | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code : COM 106 *CURRENT COMMERCE AFFARIS*

*Class: M.com 1st*
Session 2018-2019

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

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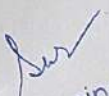
**Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag**

Paper with Code_ 19MC -107        M.Com 1st

### SEMESTER- 1st

| Month | Name of Topic |
|---|---|
| July | Basics of Business Communication: Introduction, Significance, Principles of Effective Communication, Communication Process Types of communication in Organization (Vertical, Horizontal, Formal, Informal/Grapevine) and their suitability with advantages and disadvantages |
| August | Barriers to Communication: Barriers, their types, Overcoming Barriers to Communication The Importance of Listening in the Workplace:Introduction, Barriers to Listening, Strategies for Effective Listening, Listening in a Business Context Assertiveness: Meaning, Skills, Techniques, Personality Types, Benefits of being assertive, Types of Assertiveness: Passive, Assertive and Aggressive |
| September | 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, |
| October | 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 Managerial Writing: Introduction, Internal Business Communication: Writing Circulars and Notices.External Business Communication: Writing Business Letters: Introduction, Principles of Business Letter Writing, Types of Business Letters, Format for Business Letters Other External Business Communication: Introduction, Communication with Media through News Releases, Social Media in Business, Communication about the Organization through Advertising Writing Business Reports: Introduction, What is a Report, Types of Business Reports, Format for Business Reports, Steps in Report Preparation. Job application letters: Resume, Covering Letter, Interview Letters. |
| November | Understanding the job interviewing process: Preparing for an interview, Types of interviews: Selection or Placement interviews, Appraisal Preparing for the Interview, Dressing Up, on the Day of Interview, on the Interview Table and Dress Code At Interview, Interview Mistakes Networking, How to Present Well in Interview, Typical Questions Asked Power Dressing: Introduction and Importance Cross Cultural Business Communication: Cultural differences in international business Ethics in Business Communication, Communicating with difficult people |
| December | Revision of Full Syllabus. Taking Class Test & Power Point Presentation. |
| **Examination** | |

Principal
VAISH COLLEGE, BHIWANI
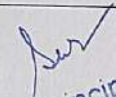
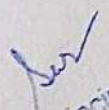# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code : COM 108  *BUSINESS ETHICS AND RESPONSBILITIES*

*Class: M.com 1st*
Session 2018-2019

| Month | Name of the Topic |
|---|---|
| July | Unit-I<br><br>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, Organizational factors: corporate values and cultures, ethical culture and relationships. |
| August | Unit-II<br><br>Implementing Business Ethics: Developing an effective ethical program, Implementing and auditing ethical program. Business ethics in global economy. Business Sustainability: Ethical and social responsibility dimensions. Understanding techniques of moral reasoning and argumentations. |
| September | Unit III<br><br>Integrating corporate social responsibility strategies into every functional domain. corporate social responsibility management: financial, social, ethical and environmental issues. Integrating core business objectives and competencies to create positive social change and business value. Practices to analyze, develop, and implement CSR in Businesses. |
| October | Unit-IV<br><br>Key components of CSR: Improving corporate risk management and accountability, Creating sustainable shared value.<br><br>CSR norms and practices: Companies Act, 2013 provisions, Improving corporate community relationships and accountability: Role of NGOs & CSR committees.. |
| November | Revision |
| December | Exams |

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VAISH COLLEGE, BHIWANI

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code : COM 109 *case study*

*Class: M.com 1st*
Session 2018-2019

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code : COM 201  BUSINESS STATISTICS

Class: M.com 2nd
Session 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit-1<br><br>Probability Theory and Distributions: Probability Theory; Concept of Probability; Different approaches to Probability; Conditional Probability; Addition and Multiplication Laws; Baye's Theorem; Mathematical Expectation. |
| February | Unit-II<br><br>Correlation and Regression Analysis: Bivariate, Partial and Multiple Correlation and Regression (up to three variables). Association of Attributes: Correlation vs. Association, Consistency of data (two and three attributes); Kinds of Association; Methods of Studying Association. |
| March | Unit-III<br><br>Statistical Inference: Estimation-Point and Interval Estimation, Qualities of a Good Estimator; 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. |
| April | Unit-IV<br><br>Parametric Tests: Difference Between Large and Small Sample; Test of Significance; Assumptions in Large Sample Theory; Test of Significance for Attributes; Significance Tests for Large Samples, Significance Tests for Small Sample; Students T-Distribution-Assumptions and Applications; F-Test and Z-Test. |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ; Dr. Satbir

Paper with Code : COM 202: *MANAGEMENT ACCOUNTING*

*Class: M.com 2nd*
Session 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit-1<br><br>Management Accounting: Nature, Scope and Functions of Management Accounting; Financial vs. Management Accounting; Cost vs. Management Accounting; Role of Management Accountant. Financial Analysis: Analysis of Balance Sheet and P & L Account Items: Comparative Financial Statements, Common Size Statement, Trend Analysis, Ratio analysis. |
| February | Unit-II<br><br>Cost-Volume-Profit (CVP) Analysis: Contribution Margin; Break-Even Analysis; Profit Volume (P/V) Analysis. Relevant Information and Short-Run Managerial Decisions: Application of Marginal Costing for Decision Making: Make/Buy Decision, Variable Cost Pricing Methods, Product- Mix, Optimal use of Limited Resources. |
| March | Unit-III<br><br>Budgeting and Budgetary Control: Nature and functions; Preparation of Different Types of Budgets, Fixed Versus Flexible Budgeting, Zero Base Budgeting, Performance Budgeting. Standard Costing: Concept, Advantages; Types of Standards; Variance Analysis; Materia Labour, Overhead; Managerial Uses of Variances. |
| April | Unit-IV<br><br>Activity Based Costing: Concept and application of activity based costing. Responsibility Accounting: Concept of Responsibility Accounting; Responsibility Centers -Cost Centre, Revenue Centre, Profit Centre, Investment Centre, Responsibility Performance Reporting. |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
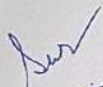
Name of Assistant/Associate Professor : Ms. Neha

Paper with Code : COM203: FINANCIAL MANAGEMENT

Class : *M.com 2nd*
Session : 2018-2019

| Month | Name of the Topic |
|-------|-------------------|
| January | Unit-I<br><br>Financial Management: Concept, Nature, Scope and Functions, Objectives: Profit Maximization vs. Wealth Maximization Approach, Type of financial decisions. Capital budgeting: Concept and Nature of capital budgeting decisions, Methods of evaluating investment decisions: Pay Back Method, Average Rate of Return, Net Present Value, Internal Rate of Return. Capital Rationing. |
| February | Unit-II<br><br>Capital Structure: Concept of Capital Structure, Leverages: Operating, Financial and Combined Leverage and impact on valuation of firm, Theories of Capital Structure: Net Income, Net Operating Income, MM Hypothesis, Optimum capital structure, Factors determining capital structure, EBIT-EPS Analysis, ROI-ROE Analysis. Cost of capital: Concept, Measurement of Cost of Debt, Equity, Preference, Retained Earnings, Weighted Average Cost of Capital. |
| March | Unit-III<br><br>Dividend decisions: Forms of Dividend: Cash Dividend, Right and Bonus Share, types of dividend policy, Determinants of dividend policy, Theories of Dividend: Walter Gordon Model, and MM Hypothesis. Stock Dividend and Stock Splits, Repurchase 20/25 procedure and legal aspects of dividends. |
| April | Unit-IV<br><br>Working Capital planning and Management: Concept and types of working capital, Approaches, estimation of working capital requirements, Working capital policy and Management of Cash, Accounts Receivables, and Inventories. Sources of Working Capital: Accruals, Trade Credits, Bank Advances, Inter Corporate Deposits, Short Term Loans from Financial Institutions, Commercial Papers; Factoring. |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Promila Suhag

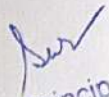Paper with Code : COM204 HUMAN RESOURCE MANAGEMENT

Class : *M.com 2nd*
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit-I <br><br> Fundamentals of Human Resource Management: Concept and Perspectives. Corporate objective and Challenges of Human Resource Management under dynamic environment, Job Analysis: Job Description and Job Specification. Human Resource Planning: Demand and Supply; Downsizing and Retention. |
| February | Unit-II <br><br> Recruitment and Selection; Performance Appraisal and Managerment; Potential assessment and Competency development; Training and development: Training process and methods. Compensation Management Job Evaluation Base Compensation and Supplementary Compensation; Innovation in Compensation Management-Pay Band System, ESOP, Flexi-time Schedules etc. |
| March | Unit-III <br><br> Global HR Practices; E-HRM; HRIS (Human Resource Information System) Measuring intellectual capital; Impact of HRM practices on Organization Performance; Contemporary issue in Human Resource Management. |
| April | Unit-IV <br><br> Grievance Redressal, Dispute Resolution and Conflict Management, International Dimensions of HRM:. Employee Empowerment: Concept, Importance and models of |

| | |
|---|---|
| | International HRM; Challenges of International HR |
| May | Revision |
| June | Exams |

# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Sakshi

Paper with Code : COM 205: MARKETING MANAGEMENT

Class : M.com 2nd                                              Session : 2018-2019

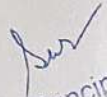| Month | Name of the Topic |
|-------|-------------------|
| January | Unit-1<br><br>Introduction: Nature and Scope of Marketing; Core Marketing Concepts; Modern marketing concepts; Marketing Mix; Marketing management process-astrategic perspective; Customer quality, value and satisfaction; Planning and control. Marketing Environment: Significance of scanning marketing environment; Analyzing macro environment of marketing-economic, demographic, socio-cultural, technological, political and legal segments; Impact of micro and macro environment on marketing decisions. |
| February | Unit-II<br><br>Product Development: Concept of New Product Planning and Development, Management of Product Life Cycle, Product Line and Product Mix Strategies Distribution Decisions: Channels of distribution concept and importance; Different types of Distribution middlemen and their functions; Channel management, selection, motivation and performance appraisal of distribution middlemen |
| March | Unit-III<br><br>Pricing Decision- Concept, Factors influencing Pricing Decisions Price determination, Pricing Strategy. Process of Promotion Decisions: Role of promotion in marketing, Promotion methods; Integrated Marketing Communication - Concept; Communication process and promotion; Determining promotion mix; Factors influencing promotion mix; Developing advertising campaigns. |
| April | Unit IV<br><br>Global Marketing-Concept, Importance, Global vs. National Marketing Global Marketing Environment-Concept and Types, Global pricing and strategies. Global Customers :Segmentation, Targeting and Positioning, Global Product Positioning, Product life Cycle in Global Marketing,Global Marketing Channels and Physical Distribution, Constraints, Channel Strategy, Global Advertising and Branding - Global Promotion, Global Trade Procedure Export Documentation Processing of Export Procedure, Global Trade |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ; Dr. Satbir

Paper with Code : COM 206 *CURRENT COMMERCE AFFARIS*

*Class: M.com 2nd*
Session 2018-2019

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

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA
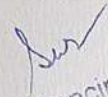
Name of Assistant/Associate Professor : Mr.Ankit

Paper with Code : COM 207: COMPUTER APPLICATION TO BUSINESS

Class : *M.com 2nd*
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit-1<br><br>Spreadsheet Application Software: Analyzing, Reporting. Comparing. Database Management System: Concept of Database Management System, database Design- Physical and Logical. Application of Data Warehousing and data mining in business |
| February | Unit-II<br><br>Computer Applications in Accounting: Accounting information systems, Nominal sales and purchase ledger maintenance and reporting. Stock control-tracking stock movements; Rush Manufacturing: Pull Manufacturing. Sales order processing and reporting- In web- based business environment. E-analysis of financial statements-For External and Internal uses. |
| March | Unit-III<br><br>Computer Applications in Costing: Cost accounting information system--an overview, Role of computers in cost accounting. Use of spreadsheet for computer based information. system for cost decision making. Strategic and project planning for computer based cost information system. Design, implementation and evaluation of computerized cost information system in traditional as well as web based business environment. |
| April | Unit-IV<br><br>Statistical and Accounting Packages: Analysis of Variance, Multi-variate analysis, Factor Accounts, Voucher Types, Report Design and Analysis. A brief applications of cloud |
| May | Revision |
| June | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code :COM 301 : Quantitative techniques

Class : M.com 3rd
Session 2018-2019

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

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| May | Revision |
| June | Exams |

# VAISH COLLEGE, BHIWANI
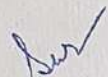## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. sakshi

Paper with Code : COM 302 Strategic Management

Class : M.com 3rd
Session 2018-2019

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

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# VAISH COLLEGE, BHIWANI
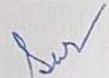## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Satbir

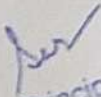Paper with Code : COM-303: Corporate law and Auditing

Class : M.com 3rd
Session : 2018-2019

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

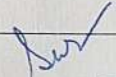| | |
|---|---|
| October | Unit IV |
| | Use of Computers in Auditing, Auditing Standards (National and International); Professional Ethics for Accountancy Profession; and Audit Practices in India. |
| November | Revision |
| December | Exams |

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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Mr. Ankit
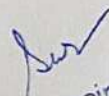
Paper with Code : COM-304: Investment management

Class: M.com 3rd
Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| July | Unit-1<br><br>Secondary and Primary, Public Issue: IPO and other types of issues in securities in India. Participants in the securities market; Stock-Market: Stock-Exchanges, Trading and Settlement, Stock market quotations and Issues; SEBI and Future challenges in the settlement of securities market, SEBI guidelines in primary and secondary capital markets.<br><br>Securities Markets |
| August | Unit-II<br><br>Equity and Debt Analysis.<br><br>Equity- Balance Sheet Valuation, Dividend Discount Model, Zero Growth, Constant Growth, Multiple Growth Model, Price Earnings Ratio Model. Debentures- Debt instruments, Bond valuation and Pricing, Yield to Maturity, Interest Rate Risk, Determination of Interest Rate Risk. Analysis of Risk in Bond-Duration and Convexity. |
| September | Unit-III<br><br>Financial Derivatives Forwards and Futures Types and Payoffs. Pricing of financial futures and commodity futures (Cost of carry model). Hedging Exposures with Forward and Futures; Basis Risk and optional Hedge Ratio; Tailing and Rolling the Hedge. Options- Call vs. Put, Types, Put-Call Parity. Valuation using Binomial Model and Black & Scholes Model. Options trading strategies. |
| October | Unit-IV<br><br>Macroeconomic and Industry Analysis Fundamental analysis (Industry, Company and Macroeconomic analysis); Technical analysis Dow Theory Elliot wave Moving Average, Exponential Average, Oscillators, Rate of Change (ROC), Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD)-Breadth of the Market - Momentum |
| November | Revision |

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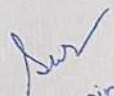VAISH COLLEGE BHIWANI

| December | Exams |
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# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Neha

Paper with Code : COM-305 Supply chain and logistics management

Class : M.com 3rd
Session: 2018-2019

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

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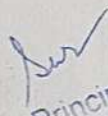
Name of Assistant/Associate Professor - Dr. Promila Dahiya Suhag

Paper with Code_     COM-306                    M.Com 2nd

### SEMESTER- IIIrd

| Month | Name of Topic |
|---|---|
| July | Introduction : Concept and Rationale of Training and Development; overview of training and development system; training and development policy of an organisation; linking training and development to company's strategy; Requisites of Effecive Training; Role of External agencies in Training and Development. |
| August | Training Needs Asessment (TNA) : Meaning and purpose, Components of Needs assesment-Adyantages, TNA at different levels, Approaches, Methods used in TNA, Output of TNA, Competency modeling-Organixation Analysis, Selection of Trainees and Trainers. |
| September | Designing Training and Development Programs : Organization of Training and Devlopment programs, Training design, kinds of training and development programs competence based and role based training; orientation and socialization; diversity training choice of training and development methods, Preparation of Trainers; developing training materials; Flexible learing modules; Self-development ; Training process outsourcing. |
| October | Evaluation of Training and Devlopment : Reason for evaluation Training and development programs, Problems in evaluation; Evaluation planning and data collection, different evaluation frameworks,Problems of Measurement and Evaluation. |
| November | Cositing of training, measuring costs and benefits of training program, obtaining feedback from trainees; Methods of evaluating effectiveness of Training Efforts, Developing a Training and Development program for Top, Middle and Bottom Level management employees of an Industrial and Service organisation. |
| December | Revision of Full Syllabus. Taking Class Test & Power Point Presentation. |
| **Examination** | |

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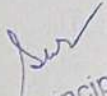# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Ms. Rinku

Paper with Code : COM 307  *CURRENT COMMERCE AFFARIS*

*Class: M.com 3rd sem.*
Session  2018-2019

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

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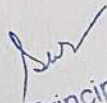
# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor ; Ms. Neha

Paper with Code : COM 308  *case study*

*Class: M.com 3rd sem.*
Session 2018-2019

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

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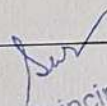## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor : Dr. Monika Mittal

Paper with Code : COM 401: RESEARCH METHODOLOGY

Class : M.com 4<sup>th</sup> sem.

Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit 1 <br><br> Research Methodology: Meaning, Nature. Scope Objectives; Types of Research. Recent Trends and Usages of Research in Business. <br><br> Problems and Hypothesis: Problem, Criteria of problems and problem statements. Hypothesis, Importance of problem and Hypothesis, values of problem and Hypothesis. |
| February | Unit II <br> Design of Research: Meaning, Purpose and Principles; Various Steps in the process of Research Design; Inadequate Designs and Design criteria; General Design of Research (Exploratory Research Design, Descriptive Research Design, Diagnostic Research Design, Experimental Research Design). |
| March | Unit III <br> Methods of observation and Data Collection: Interviews and Schedule as a tool of Science, Value of Interviews and Interviews Schedule. Measurement and Scaling Techniques: Component of Attitude; Types of Scale; Attitudinal Scales in qualitative Research Scaling Technique, Difficulties in developing Attitudinal Scales. |
| April | Unit IV <br> Advance Techniques of Data Analysis: Factor analysis, Methods of Factor Analysis. Use of SPSS & Other Software's in Business Research. Preparation of Research Report: Types of Reports; Component of Report; Principles of Report preparation; Visual Devices in Report preparation; Presentation and communication of a Report. |
| May | Revision |
| June | Exams |

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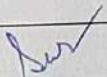# VAISH COLLEGE, BHIWANI
## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Piyush

Paper with Code : COM 402: ENTERPRENEURSHIP

Class : M.com 4th sem.

Session : 2018-2019

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

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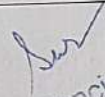## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Mr. Ankit

Paper with Code : COM 403: TAXATION LAW

Class : M.com 4th sem.
Session : 2018-2019

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

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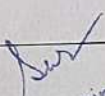## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Sakshi

Paper with Code : COM 404: PORTFOLIO MANAGEMENT

Class : M.com $4^{th}$ sem.

Session : 2018-2019

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

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## LESSON PLAN PERFORMA

Name of Assistant/Associate Professor Ms. Rinku

Paper with Code : COM 405: International Marketing

Class : M.com 4<sup>th</sup> sem.

Session : 2018-2019

| Month | Name of the Topic |
|---|---|
| January | Unit I<br><br>International Marketing: Concept, scope & Objectives. Challenges and opportunities in<br><br>International Marketing, Underlying forces of International Marketing. International Market Entry Strategies: Introduction, Different Entry Modes and Market Entry Strategies, joint Ventures, Strategic Alliances, Direct Investment, Manufacturing and Franchising. Export Marketing: Recent Import Export Policy and Procedures. |
| February | Unit II<br>Export Incentives: Rules for successful exporting. Preliminaries for starting Export Business, Registration of Exporters, Sending / Exporting samples, Appointing Overseas Agents Obtaining a License (Export License). International Pricing Decisions: Factors influencing international pricing decisions Uniform pricing V/s Market by market pricing Arranging Finance for exports: Financial and fiscal incentives provided by the Government and foreign exchange facilities by the R.B.I. and EXIM Bank. |
| March | Unit III<br>Legal and Ethical Issues in International Marketing: Introduction, Nature of International Business Disputes and Proposed Action, Legal Concepts Relating to International Business, International Dispute Settlement Machinery.<br><br>Export Documentation: Various Documents required for exporting.<br><br>Export Support Institution: An Overview. |
| April | Unit IV<br>International Marketing Research: Introduction, Concept of Marketing Research, Need for Marketing Research, Approach to Marketing Research, Scope of International Marketing |

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