Lesson Plan B. A. I (Hons.) English

Semester I

SCHEME OF EXAMINATION

Paper-I: ENGH 101: Literature in English (1550-1660)

Max. Marks 100 marks

End Semester Exam 80 marks

Internal Assessment 20 marks

Time 3 hours

Course Content:

Month: **August 2021**

Unit I

Shakespeare: Comedy of Errors

Month: **September-October 2021**

Unit II

Marlowe: Doctor Faustus (Macmillan Annotated Classics Series)

Month: **November-December 2021**

Unit III

Francis Bacon: Essays 'Of Truth', 'Of Friendship'

Unit IV

Literary terms and Major Literary Movements of the period.

Month: **January-February 2022**

Revision

Head
Department of English

Lesson Plan - B. A.I (Hons.) English

Semester 1

Paper-II: ENGH 102: Literature in English (1550-1660)

Max. Marks: 100 marks

End Semester Exam: 80 marks

Internal Assessment: 20 marks

Time: 3 hours

Course Content: Month: August 2021

i) Sir Philip Sidney:

Sonnets from Astrophel and Stella:

"Love in truth, and fain in verse my love to show" (1) "It is most true that eyes are formed to serve" (V)   "When Nature made her chief work, Stella's eyes" (VII) "Reason in faith thou art well served, that still" (X) "With how sad steps, O Moon, thou climb'st the skies!" (xxxxi) "Come sleep, O Sleep, the certain knot of peace" (XXXIX)

Month: September-October 2021

ii)William Shakespeare: Sonnets: "Shall I compare thee..." (XVIII) "When to the sessions..." (XXX) "Tir'd with all these..." (LXVI) "Thy glass will show thee..." (LXXVI) "Let me not to the marriage... (CXVI) "My mistress' eyes are nothing..." (CXXX)

Month: November-December 2021

iii)   John Donne: "The Good-Morrow" "The Sunne Rising" "A Valediction: Forbidding Mourning" "A Valediction Of Weeping" "Holy Sonnet: Since She whom I Love" (From Metaphysical Poets by Helen Gardener)

iv)   Major Literary Works of the period by major writers as discussed in history of English Literature by William J. Long.

Month: January-February 2022

Revision

Head
Department of English

B. A. II(Hons.) English

Semester-III

SCHEME OF EXAMINATION

Paper A ENGH 201: Literature in English (1750-1830)

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: August 2021

Unit-I

William Wordsworth:

"Daffodils", "The Solitary Reaper", "The World is Too Much with Us"

"Lines Composed upon Westminster's Bridge", "Lucy"

"It's a Beauteous Evening" (From Fifteen Poets)

Month: September-October 2021

Unit-II

S.T. Coleridge: "Dejection: An Ode", "Frost at Midnight" (From Fifteen Poets)

Month: November-December 2021

Unit-III

John Keats

"When I Have Fears" "La Belle Dame Sans Merci"

"On First Looking into Chapman's Homer"

"To Autumn" (From Fifteen Poets)

Unit-IV

Major Literary Movements and Trends of the period.

Month: January-February 2022: Revision

Head
Department of English

B. A. II(Hons.) English

Semester-III

SCHEME OF EXAMINATION

PAPER B: ENGH 202: Literature in English (1750-1830)

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: **August 2021**

Unit-1

Oliver Goldsmith's The Vicar of Wakefield

Month: **September-October 2021**

Unit-II

Jane Austen's Pride and Prejudice

Month: **November-December 2021**

Unit-III

Charles Lamb

"Poor Relations"

"The Superannuated Man" "In Praise of Chimney Sweepers"

"Imperfect Sympathies" (From & Book of English Essays, ed. WE Williams. Penguin.) Unit-IV

Major literary Works and Writers of the period:

William Blake P.B. Shelley

Lord Byron, Walter Scott William Harlins, Elegy Written on a Country Churchyard

The Seasons by James Thomson Lyrical Ballads, Biographia Litreraria Prometheus Unbound

Month: **January-February 2022:** Revision

Head
Department of English

B. A. II(Hons.) English

Semester-III

SCHEME OF EXAMINATION

PAPER-C ENGH 203: Grammar and Contemporary English Usage

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: August 2021

Unit-1

Essay

Unit-II

Comprehension

Month: September-October 2021

Unit-III

Grammar: (a)

Parts of Speech

(b) Verbs:

(i) Main and auxiliaries

(ii) Linking (or equative) intransitive and transitive

(iii) Finite and non-finite

(iv) Sequence of Tenses

(c)Adverbs, adverbial particles and adverb phrases:

(i) Their Positions

(i) Kinds of Time, Place, Manner, Frequency, Duration and Direction

Head
Department of English

Month: **November-December 2021**

Unit-IV

(a) **Word Order: Position and order of objects; Substitute subjects: "its" and "there";** Inversion of verb and subject after certain adverbs; Order of words in indirect questions

(b) **Adjective equivalents**

(i) Nouns

(ii) Participles

(iii) Gerunds

(c) Prepositions of time, place, direction; for and since; under, underneath; below, beneath, over and above; between and among: describing people and their clothes; at, by, in; on, out, of

Month: **January-February 2022**

Revision

Head
Department of English

Lesson Plan B. A. III (Hons.) English

Semester-V

SCHEME OF EXAMINATION

: ENGH 301: Modern British Literature-I

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hour

Course Content:

Month: August-September-October 2021

1.W.B. Yeats: "The Lake Isle of Innisfree"

"The Stolen Child"

"A Prayer for My Daughter"

"What Then?"

"When You are Old"

"The Wise Old Wicked Man" (From W.B. Years: Selected Poetry. Ed. Norman Jeffares)

Month: November-December 2021

Unit II

2. G. B. Shaw Saint Joan

Month: January-February 2022

Revision

Head

Department of English

Lesson Plan B.A. III (Hons.) English

Semester-V

SCHEME OF EXAMINATION

: ENGH 302: Indian Writing in English-I

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: August-September 2021

Unit I

Nissim Ezekiel:

"Enterprise", "Philosophy",

"Background", "Poet, Lover, Birdwatcher",

"Poem of the Separation" (From R.Parthasarthy. Ed Ten Twentieth Century Indian Poets)

Month: October-November-December 2021

Unit II

Girish Karnad: Hayavadana

Month: January-February 2022

Revision

Head
Department of English

Lesson Plan B. A. III (Hons.) English

Semester V

Scheme of Examination

ENGH 303: Modern World Literature-I

Max. Marks 100

End Semester Exam80

Internal Assessment 20

Time 3 hours

Course Content:

Month: August-September 2021

Unit 1: Essays

M.H. Abrams:

(i) "Modernism and Post-modernism", From K.Narayana

Chandran ed. Texts and their Worlds II Delhi:Foundation Books, 2005) (ii)

"Feminist Criticism" (From Texts and their Worlds II)

Month: October-November 2021

Unit II: Essays

a. Ngugi Wa Throng'o : On the Abolition of English Department" (From Texts and their Worlds II)

b. Thomas B. Macaulay: "Minute on Indian Education "(From Texts and their Worlds II)

c. Meenakshi Mukherjee: "Interrogating Post-Colonialism" (From Texts and their Worlds II)

Month: December 2021

Unit III: Poetry

a. Bertolt Brecht: "The Burning of Books"

b. Wislawa Szymborska: "The End of the Beginning" c Derek Walcott: "A Far

Cry from Africa"

d. Pablo Neruda: "Tonight I Can Write" e

Margaret Atwood: "Journey to the Interior

f. Faiz Ahmad Faiz: "A Prison Evening (All from Texts and their Worlds In)

Month: January-February 2022: Revision

Head

Department of English

Lesson Plan - B.Sc (ENGLISH)

LANGUAGE SKILLS COMPILSORY COURSE-I

Semester-I

SCHEME OF EXAMINATION

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: August-September 2021

- Let Me Not to the Marriage of True Minds + Translation from Hindi to English
- Death Be Not Proud + Paragraph Writing
- On His Blindness

Month: October-November 2021

- The Retreat + Common Phrasal Verbs
- Shadwell + Prepositions
- Know Then Thyself

Month: December 2021

- The Little Black Boy + Common Errors
- Three Years She Grew...
- England In 1819
- Crossing the Bar

Month: January-February 2022

- Revision

Head
Department of English

Lesson Plan – B.A. (FUNCTIONAL ENGLISH) Semester-I

SCHEME OF EXAMINATION

Max. Marks 100

End Semester Exam 60

Practical 20

(Oral/Viva)

Internal Assessment 20

Time 3 Hours

Course Content:

Month: August-September-October 2021

Section-B: Remedial Grammar: (30 Marks)

1. Articles

2. Parts of Speech

3. Nouns: Singular and Plural

4. Verbs: Linking Verbs, Transitive & Intransitive Verbs

5. Agreement of Verbs and Subject

6. Tenses & their Use.

7. Tag questions.

8. Transformation.

9. Confusion of Adjectives and Adverbs.

10. Adverbial use of No, Not and None.

Month: November-December 2021

1. Definition and Scope of Linguistics.

2. Difference between Phonetics and Phonology.

3. The Speech Mechanism.

4. Basic Concepts: Phoneme, Allophone, Vowel, Consonant, Consonant Cluster and Syllable.

5. Description of the British R.P. Speech Sounds: Vowels and Consonants.

   Month: January-February 2022: Revision

Head
Department of English

Lesson Plan - B.A.II (FUNCTIONAL ENGLISH)

Semester III

SCHEME OF EXAMINATION

Max. Marks 100

End Semester Exam 60

Practical 20

(Oral/Viva)

Internal Assessment 20

Time 3 Hours Communicative and Writing Skills:

Course Content:

Month: **August -September 2021**

1. Spotting the errors pertaining to nouns, pronouns, adjectives and adverbs, subject verb concord.

2. Lexis: Idioms and phrases, words often confused, one-word substitution, foreign words (A selected list), vocabulary development through synonyms, antonyms, formation of words with affixes.

Month: **October-November-December 2021**

3. Developing writing skills: Writing small paragraphs on general and current issues, events and slogan writing.

4. Technical Writing:

(a) Drafting memo and circular

(b) e-mail writing

(c) Resume writing, Press Report Writing

(d) Writing Notices, Agendas, Minutes

(e) Note taking

5. Editing Skills: Use of capital letters, punctuation, parentheses, square brackets, ellipsis, apostrophe and quotation marks

Month: **January-February 2022:** Revision

Head

Department of English

Lesson Plan B.A.III (FUNCTIONAL ENGLISH)

Semester V

SCHEME OF EXAMINATION

Course Content:

Month: August 2021

Unit-I

"On His Blindness", "Alexander's Feast", "Epistle to Dr. Arbuthnot", "Tintern Abbey", "Kubla Khan", "Ode to the West Wind", "Stanzas Written in Dejection", "Ode on a Grecian Urn", "Ode to a Nightingale", "Ulysses", "The Lotus Eaters", "Tears Idle Tears", "My Last Duchess", "Rabbi Ben Ezra", "The Last Ride Together", "The Scholar Gypsy", "Dover Beach".

Month: September-October 2021

Unit-II

Business letters and faxes:

different types of formats, address, opening and closing, subject,

heading, sub-heading, numbering, etc.

Unit-III

Scanning letters and faxes for specific information, acquiring familiarity with abbreviations and phrases commonly used in business correspondence.

Month: November-December 2021

Unit-IV

Writing letters of application with curriculum vitae/ Resume; letters of invitation, reply to invitation, Enquiry, reference, arrangements, announcing forthcoming Events, products, visits, making bookings and arrangements for conferences, trade fairs, etc., complaints and replies to complaints, apologies, thanks.

Month: January-February 2022: Revision

Head
Department of English

Department of English

Lesson Plan - B.A. (ENGLISH General)

SCHEME OF EXAMINATION

Max. Marks 100

Semester- I

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: August-September 2021

1. Speech Sounds

2. Choosing Our Universe + Extended Grammar

3. Are Dams the Temples of Modern India? + Extended Grammar

Month: October 2021

5. Language and National Identity + Extended Grammar

6. Wounded Plants + Extended Grammar

7. Playing the English Gentleman + Extended Grammar

Month: November-December 2021

8. Great Books Born out of Great Minds + Extended Grammar

9. The Responsibility of Young men + Extended Grammar

10. Bharat Mata + Extended Grammar

Month: January-February 2022

11. Revision

Head
Department of English

Department of English

Lesson Plan - B.A. (ENGLISH General)

SCHEME OF EXAMINATION

Max. Marks 100

Semester- III

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: August 2021

1. Important Poetic Forms and Devices

2. Sonnet XVIII (William Shakespeare) + Extended Grammar

Month: September-October 2021

3. Know Then Thyself + Extended Grammar

4. Elegy Written in a Country Churchyard + Extended Grammar

5. The World is Too Much with Us + Extended Grammar

6. Ode on a Grecian Urn + Extended Grammar

7. My Last Duchess + Extended Grammar

Month: November-December 2021

8. When You are Old + Extended Grammar

9. Where the Minds is Without Fear + Extended Grammar

10. The Bangle Sellers + Extended Grammar

11. Another Woman + Extended Grammar

Month: January-February 2022

12. Revision

YR

Head
Department of English

Department of English

Lesson Plan - B.A. (ENGLISH General)

SCHEME OF EXAMINATION

Max. Marks 100

Semester-V

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: August 2021

1. Introduction of the Novel and the Novelist

2. Kanthapura Chapter 1 – 6

3. Word Accent and its Grammatical Functions

Month: September-October 2021

4. Kanthapura Chapter 7-12

5. Weak Forms in English Pronunciation

6. Introducing Intonation: Tone Groups and Tonic Syllable

Month: November-December 2021

7. Kanthapura Chapter 13-19

8. Sentence and its Types

9. Composition: Developing Hints into Paragraph and Story

Month: January-February 2022: Revision

Head
Department of English

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Max. Marks: 100

LESSON PLAN

COURSE-XI: Critical Theory (PART-I)

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: **August 2021**

Unit-I

Aristotle: Poetics

Month: **September-October 2021**

Unit-II

Bharatmuni: Natyashastra (Ed. Dr. N.P. Unni) Chapter-1: The Origin of Drama Chapter-VI: Sentiments; Chapter-VII: The Exposition of Emotion

Unit-III

Horace: Ars Poetica

Month: **November-December 2021**

Unit-IV

Dr. Johnson: Preface to Shakespeare

Month: **January-February 2022**

Revision

Head
Department of English

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Max. Marks: 100

COURSE-XII: American Literature (PART-I)

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: **August 2021**

Unit-I

Walt Whitman: "One's Self 1 Sing", "There was a Child Went Forth", "When Lilacs last in the Dooryard Bloom'd", "Crossing Brooklyn Ferry, "On the Beach at Night", "Song of Myself" (Section 6 and Section 32)

Month: **September-October 2021**

Unit-II

Emily Dickinson: "This is My Letter to the World", "Success is Counted Sweetest", "Much Madness is Divinest Sense", "Because I could not stop for Death", "A Narrow Fellow in the Grass", "The Heart Asks Pleasure First", "I Never Saw a Moor", "A Bird Came down the Walk".

Unit-III

Mark Twain: The Adventures of Huckleberry Finn

Month: **November-December 2021**

Unit-IV

Henry James: The Portrait of a Lady

Month: **January-February 2022:** Revision

Head
Department of English

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Max. Marks: 100

COURSE-XIII: Indian Writing in English (Part-1)

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: August 2021

Unit-1

Sri Aurobindo: Savitri, Book IV

Month: September-October 2021

Unit-II

Kamala Das: The following Poems from R. Parthasarathy, ed.Ten Twentieth Century Indian Poets."The Freaks", "My Grandmother's House", "A Hot Noon in Malabar" "The Sunshine Cat", "The Invitation", "The Looking Glass".

Month: November-December 2021

Unit-III

Jayant Mahapatra: "The Logic", "A Missing Person", "Glass", "The Whorehouse in a Calcutta Street", "Indian Summer" "Lost"

Unit-IV

Mulk Raj Anand: Coolie

Month: January-February 2022: Revision

Head
Department of English

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Max. Marks: 100

LESSON PLAN M.A. (FINAL) ENGLISH

THIRD SEMESTER

COURSE-XIV: (Option-ii): English Language (Part-1)

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: August 2021

Unit-1

Phonetics: Speech Mechanism, Role of different organs of speech, Sounds of English, Description of Sounds, Syllable and Stress, Intonation and its functions

Month: September-October 2021

Unit-III

History of English Language: Old English, Middle English, Latin, Celtic and Scandinavian Influence on Old English, Renaissance and the English Language, Change from Old to Modern English.

Unit-II

a) Transcribing words phonemically with primary stress (using the symbols of Oxford Advanced Learner's Dictionary, 7th edition)

b) Marking stress and tones (falling/rising/falling-rising) in sentences

Month: November-December 2021

Unit-IV

(a) Word formation process: Coinage; Borrowing; Compounding; Blending Clipping; Back formation; Conversion; Acronyms; Derivation; Prefixes; Suffixes; Affixes (b)Translation: Hindi to English

Month: January-February 2022: Revision

Head
Department of English

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Max. Marks: 100

LESSON PLAN M.A. (FINAL) ENGLISH

THIRD SEMESTER

COURSE-XV: (Option-1) Literature and Gender (Part-1)

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: August 2021

Unit-1

Charlotte Bronte: Jane Eyre

Month: September-October 2021

Unit-II

Virginia Woolf: To the Lighthouse

Unit-III

Virginia Woolf: A Room of One's Own

Month: November-December 2021

Unit-IV

Doris Lessing: The Golden Notebook

Month: January-February 2022

Revision

Head
Department of English

DAYANAND COLLEGE, HISAR

LESSON PLAN FOR SESSION 2021-2022 (B.COM - Odd Semester)

FINANCIAL ACCOUNTING BCOM 101

MONTH	TOPICS
NOV 2021	Financial Accounting: Meaning, nature, scope, objectives, advantages and limitations, Bookkeeping, accounting and accountancy, Branches of accounting, GAAP vs. FASB, Accounting equation, Accounting concepts and conventions. Accounting cycle: Classification of accounts, Journal, Rules of debit and credit, Compound journal entry, Ledger, Rules regarding posting, Trial balance, Sub-division of journal.
DEC 2021	Capital and Revenue: Classification of income, expenditure and receipts, deferred revenue expenditure, Provisions and Reserves: Kinds of provisions and reserves, Difference between provision and reserve, Depreciation Accounting: Concept, causes of depreciation, Need for providing depreciation, factors determining the amount of depreciation, methods of charging and recording depreciation. ASSIGNMENT AND UNIT TEST.
JAN 2022	Accounting for not-for profit organizations: Receipt and Payment Account, Income and Expenditure Account, Receipt and Payment Account versus Income and Expenditure Account. Financial statements of profit-making entities: Manufacturing Account, Trading Account, Profit and Loss Account, Balance Sheet, Difference between Profit and Loss Account and Balance Sheet, Adjustments in final accounts.

Incharge:

Dr. Renu Rathee

Subject Teacher:

Ms. Dimpal, Jyoti, Usha

Dayanand College

PRINCIPLES OF BUSINESS MANAGEMENT BCOM 103

MONTH	TOPIC
NOV 2021	Business: Nature and scope of Business; Forms of Business. Management: Definition, characteristics, scope and importance of management; Functional areas of management; Management and Administration; Levels of Management; Mintzberg's Managerial Roles. Approaches to Management: Classical and Neo classical approach, Behavioural approach, Management science approach.
DEC 2021	Systems approach and Contingency approach-Highlighting the contributions of Henry Fayol, F.W. Taylor and Peter F. Drucker; Contemporary developments in approaches: Theory Z, McKinsey -7's, Quality Management. Planning: Definition, Nature, Objectives and importance, Planning Process, Types of Plans, Barriers to Effective Planning ASSIGNMENTS AND UNIT TEST
JAN 2022	Organizing: Definition, Nature, Principles of Organisation, Types of Organisation, Organizational Structure, Authority, Delegation and Centralization vs. Decentralization. Staffing: Meaning, importance and scope. Matching job and people Motivation: concept, objectives & significance. Leadership: concept, significance & functions, Leadership styles, approaches to leadership. Controlling: meaning and characteristics of control, process of control, prerequisites of an effective control system; controlling techniques

Subject Teacher:

Incharge:

Dr.Renu Rathee

CORPORATE ACCOUNTING-I (BC-301)

MONTH	TOPICS
NOV 2021	Accounting for share capital & debentures: Issue, forfeiture and reissue of forfeited shares; Book building: concept & process; issue of rightand bonus shares; buy back of shares; redemption of preference shares; issue and redemption of debentures.
DEC 2021	Final accounts of companies (excluding computation of managerialremuneration). Amalgamation of companies: concept and accounting treatment as per accounting standard 14 (excluding intercompany holdings).ASSIGNMENTS AND UNIT TEST
JAN 2022	Internal reconstruction: concept and accounting treatment excludingscheme of reconstruction

Subject Teacher:

Ms. Soniya, Nandini

Incharge:

Dr. Renu Rathe

BUSINESS STATISTICS-I (BC-302)

MONTH	TOPICS
NOV 2021	Introduction of statistics: concept, scope, usefulness & limitations of statistics, distrust of statistics. Collection of data: primary andsecondary data, methods of collection of data. Measure of central tendency: mean, median, mode, harmonic mean and geometric mean. Measure of dispersion: range, inter-quartile range, quartile deviation,mean deviation, standard deviation, coefficient of variation, Lorenz curve.

DEC 2021	Unit Test. Index numbers: meaning, types and uses of index numbers, methods of preparation of index numbers: simple or unweighted and weighted index number, problems in the preparation of index numbers,Tests of adequacy: Chain-base index numbers; Base shifting, Splicing and deflating, Consumer price index. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Analysis of Times Series: causes of variation in time series data; Components of a time series: Decomposition: additive and multiplicative models; determination of trend: moving averagesmethod and method of Least Squares (including linear second degree, parabolic, and exponential trend): Computation of seasonal-indices by sample averages, ratio-to-trend, ratio-to moving average and link relative methods.

Subject Teacher:

Smriti, Aastha

Incharge:

Dr. Renu Rathee

Business Law (BC 303)

MONTH	TOPICS
NOV 2021	Law of Contract (1872): nature and classification of contract; offer and acceptance; capacity of parties to contract; free consent; consideration; legality of object; agreement declared void; performance of contract; discharge of contract, remedies for breach of contract; Contingent contracts; Quasi contracts.
DEC 2021	Special contracts: indemnity & guarantee; bailment and pledge; contract of agency Sale of Goods Act 1930; formation of contract of sale; goods and the classification, price; conditions and warranties; transfer of property in good performance of the contract of Sale. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Remedies: unpaid seller and his rights, buyer's remedies; Auction.Consumer Protection Act 1986.

Subject Teacher:

Ms. Smriti, Mr. Rajesh

Incharge:

Dr. Renu Rathee

COMPANY LAW-1 (BC-304)

MONTH	TOPICS
NOV 2021	Company: meaning, characteristics & types of companies, conversion of private into public company & vice versa. Promotion and incorporation of companies; promoters: legal position, duty, liability and remuneration; company and pre-incorporation contracts; incorporation procedure. Memorandum of Association: clauses, doctrine of ultra vires, alteration of clauses.
DEC 2021	Articles of Association: contents, model forms, and alteration; doctrine of indoor management and constructive notice. Prospectus: meaning, contents and formalities, abridged prospectus, deemed prospectus, red herring & shelf prospectus, misstatement and remedies, liabilities for misstatements.
	ASSIGNMENT AND UNIT TEST
JAN 2022	Share Capital: types, issue and allotment of shares and debentures; share certificate and share warrant, reduction of share capital; buy-back of shares. Transfer & transmission of shares and debentures; depository system; borrowing powers and debentures.

Subject Teacher:

Ms. Anshul, Shalu

Incharge:

Dr. Renu Rathee

INDIAN FINANCIAL SYSTEM (BC 305)

MONTH	TOPICS
NOV 2021	Introduction: nature and role of financial system; Financial system and economic development; An overview of Indian financial system; Components of financial system; Financial markets and financial instruments: money and capital markets; Money market: meaning, constituents instruments and functions, recent developments in Indian money market; Capital market: primary and secondary market, Depository system, recent developments in Indian capital market; SEBI: its formation, role and recent developments
DEC 2021	The Debt Market: meaning, features, participants, instruments; private, PSUs & Government securities market. Financial institutions: Reserve Bank of India: organization, management and functions; credit creation and credit control. Commercial banks: meaning and functions, structure and recent developments in commercial banking in India.
	ASSIGNMENT AND UNIT TEST
JAN 2022	E-banking, NPA's in Commercial Banks, Payment Banks, Development banks: concept, objectives and functions; recent developments in development banking.

Subject Teacher:

Ms.Jyoti, Soniya, Suman

Incharge:

Dr. Renu Rathee

FOREIGN TRADE OF INDIA (BC 306 (II)

MONTH	TOPICS
NOV 2021	Foreign trade of India: composition, direction, trends and balance of payments problems; India's major import and export products. Foreign market selection and

	entry modes. Product planning for international markets. International product life cycle. Export procedures and documentation: letter of credit, proforma invoice, bill of lading
DEC 2021	INCO TERMS and international price quotations; methods of payment in international trade. Recent foreign trade policy: regulations, and export promotion measures. Special economic zones and export oriented units' scheme.
	ASSIGNMENT AND UNIT TEST
JAN 2022	Criterion for star trading houses and benefits available. International economic/financial institutions: WTO, World Bank and IMF

Subject Teacher:

Ms. Dimple. Sunha

Incharge:

Dr. Renu Rathee

COST ACCOUNTING (BC-501)

MONTH	TOPICS
NOV 2021	Nature and Scope of Cost accounting: Meaning, Definitions, characteristics, Scope, functions, Method, and techniques of costing, Importance and limitations of costing, Elements and classification of Costs. Accounting for material: Different methods pricing for issue of material LIFO, FIFO, HIFO, etc. methods.Treatment of material Losses, Material control: Concept and Techniques. Different Level of Stock, EOQ, Accounting for Labour, Labour Turnover, Idle time and overtime, Method of Wages Payment, Time rate, piece rate, Halsey Plan, Rowan Plan etc, Incentive schemes, Overhead: Classification, Allocation, Apportionment and

MONTH	TOPICS
DEC 2021	Absorption, Under and Over Absorption
	Unit and output costing: Preparation of Cost sheet, Cost statement and Cost Account
	Unit and output costing: Calculation of Estimates, tender price.
	Contract costing: Preparation of contract Account, concept of work certified and work uncertified Contract costing: Determination of profit/loss in case of completed and incomplete contracts, Escalation Clause, Reserve for contingencies. ASSIGNMENT AND UNIT TEST.
	Process Costing: Meaning, Characteristics, Process Account, Treatment of wastage and abnormal loss, Process costing: Joint products and by Products, Inter-Process Profit, Equivalent production, Job and Batch costing.
JAN 2022	Operating Costing, Problems and Revision, Doubt session

Incharge:

Dr. Renu Rathee

Subject Teacher:

Ms. Shalu, Mr. Naresh

FINANCIAL MANAGEMENT (BC-502)

MONTH	TOPICS
NOV 2021	Financial Management: Nature, significance, scope and objectives of financial management, functions of finance executive in an organization, functional areas of financial management, changing role of financial management in India
	Financial planning and forecasting-need & importance, drafting a financial plan; capitalization, overcapitalization and under-capitalization.

Financial forecasting: meaning, benefits and techniques of financial forecasting, sources of finance- short-term, medium term and long term. Cost of Capital: significance, computation of cost of debt, equity, preference share capital and retained earnings, weighted average cost of capital. Capital structure decisions: meaning, and determinants of capital structure, theories of capital structure

DEC 2021	Capital Budgeting Decisions: Nature & importance, factors influencing capital expenditure decisions, techniques of capital budgeting techniques of capital budgeting. Working Capital Management: need, types & determinants, Assessment of working capital requirements, management of cash, inventory, & receivables
	Dividend decisions: meaning forms and importance of dividends, types of dividend policy, determinants of dividend policy and theory of relevance and irrelevance of dividends. ASSIGNMENT AND UNIT TEST.
JAN 2022	Theory of relevance and irrelevance of dividends. Presentation &

Subject Teacher:

Ms. Usha Aastha

Incharge:

Dr. Renu Rathee

GOODS AND SERVICES TAX (BC-503)

MONTH	TOPICS
NOV 2021	GST: meaning, taxable person, registration: procedure and documents required. Levy and collection of GST. Time and place of supply of goods and services, value of taxable supply. Computation of input tax credit and transfer of input tax credit
DEC 2021	Tax invoice credit and debit note. Various returns to be filed under GST. Payment of tax including TDS, Interest Provisions on delayed payment. ASSIGNMENT AND

UNIT TEST

JAN 2022	Offences and penalties, Revision

Incharge:

Dr. Renu Rathee

Subject Teacher:

Mr. Rajesh, Naresh Ms. Usha.

INCOME TAX-I (BC-504)

MONTH	TOPICS
NOV 2021	Basic Concepts: Income, agricultural income, casual income, assessment year, previous year, gross total income, total income, person: Tax evasion, avoidance, and tax planning and tax management.
	Basis of Charges: Scope of total income, residence and tax liability, income which does not form part of total income.
	Heads of Income: Salaries.
DEC 2021	Income from house property, ASSIGNMENT AND UNIT TEST.
	profit and gains of business or profession, capital gain
	Income from other sources, Clubbing and aggregation of income
JAN 2022	Provisions regarding set-off and carry forward of losses, Doubt session

Incharge:

Dr. Renu Rathee

Subject Teacher:

Ms. Sarita, Nandini

AUDITING (BC-505)

MONTH	TOPICS
NOV 2021	Introduction: meaning, objectives and advantages of auditing; types of audit; internal and external audit, proprietary and efficiency audit; Audit process, audit programme, audit working papers and evidences; audit of e-commerce transactions. Methods of audit work: routine checking and test checking; internal control and internal checking system. Vouching: meaning, objectives and importance of vouching; vouching of cash books, purchase book, sale book, bill receivable book, bill payable book, journal proper and debtor creditor ledgers; verification of assets and liabilities.
DEC 2021	Audit of limited companies: company auditor – appointment, powers, duties and liabilities. Directions of Comptroller and Auditor General of India. **ASSIGNMENT AND UNIT TEST.** Audit reports: various types of audit reports.
JAN 2022	Investigation: meaning, nature, procedure and objectives; investigation and due diligence. Professional ethics of auditing

Incharge:

Dr. Renu Rathee

Subject Teacher:

Mr. Deepak, Ms. Sunita

FUNDAMENTALS OF STOCK MARKE BC-506(iii)

MONTH	TOPICS
NOV 2021	Security markets: primary and secondary market: primary market: role and functions: methods of selling securities in primary market; new financial instruments; SEBI guidelines for public issues; stock exchanges; listing of securities in stock exchanges; trading mechanism; screen based trading; internet based trading. National stock exchange and Bombay stock exchange; role, organization and management; listing procedure; SEBI (Depositories and Participants) Regulations 1996.
DEC 2021	SEBI (Custodian of Securities) Regulations, 1996; National Securities Depository Ltd. (NSDL). Derivative trading: future and opinions: concept, meaning and importance. **ASSIGNMENT AND UNIT TEST.**
JAN 2022	Methods of trading: valuation of options. Raising funds from international markets: TITS Euro issues: ADR's; GDR's and FDI; SEBI guidelines.

Subject Teacher:

Ms. Niharika, Suman.Sarita

Incharge:

Dr. Renu Rathee

DAYANAND COLLEGE, HISAR

LESSON PLAN FOR SESSION 2021-2022 (M.COM – Odd Semester)

MC-101 MANAGEMENT PROCESS AND ORGANISATIONAL BEHAVIOR

MONTH	TOPICS
NOV 2021	Meaning, nature and scope of management; Management thoughts; Approaches to management: Scientific process, Decisions theory school, Quantitative and system school, Contingency theory of management; Managerial skills; Social responsibility of managers, Managerial Functions: Planning – concepts significance, types; Organizing – concept principles, types of organizations, authority responsibility, power, delegation, decentralization, Staffing; Directing (Leading, Motivating and Communicating);
DEC 2021	Coordinating: controlling, process and techniques. Organizational Behaviour; concepts, determinants, challenges and opportunities of OB, contributing disciplines to the OB; Organizational culture and climate; Factors affecting OB; Understanding and managing individual behaviour, Personality, Perception, Values, Attitudes and Learning. Understanding and managing group behaviour; Interpersonal and group dynamics; Transactional Analysis; Applications of Emotional Intelligence in organizations. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Communication: process, models of communication, issues in organizational communication. Organizational Change: to analyze the major concepts of organizational behaviour in business Organizational Development; Conflict Management and Stress Management.

Subject Teacher: Ms. Aastha Renu Rathee   Incharge: Dr.

MC-102 BUSINESS ENVIRONMENT

MONTH	TOPICS
NOV 2021	Indicators of Internal and External Business environment; Environmental scanning and risk assessment; Concepts of Economic systems; New Industrial Policy-1991 and Recent Financial and Economic Reforms, Recent Monetary

	and Fiscal Policy and their Impact on Business Environment. Impact of Political, Economic, Social and Technological Environment on the Emerging Sectors of Indian Economy: Public Sector, Private Sectors, Services Sector and SME Sector;
DEC 2021	Privatization in India, Public Private Partnership: Challenges and Opportunities in the Rural sector. Globalization Business Environment; Opportunities and challenges for MNCs in India, Foreign Investment in India, Indian Foreign Trade and its Impact on Balance of Payment, Exchange rate Movements and India's Competitiveness in the world economy. World Trade Trends and Economic Integration. Contemporary Issues: Climate change, Food security, Geopolitics Sustainable Development and De-Globalization. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Legislations for Social Responsibilities- Consumer protection Act. 1986 and its Amendments, Competition Act. 2002 and its Amendments and Environmental Protection Act, 1986; Foreign Exchange Management Act.1999 (FEMA) and their influences on the Business Environment.

Subject Teacher: Mr.Rajesh
Incharge: Dr. Renu Rathee

MC-103
MANAGERIAL ECONOMICS

MONTH	TOPICS
NOV 2021	Theory of demand and consumer equilibrium-utility and indifference curve approach; Demand function; Elasticity of demand and its significance in managerial decision-making; Demand forecasting and its techniques. Theory of Cost: Types of cost: production cost, selling cost, R&D Cost, short run and long run cost curves, relation between cost and revenue. break-even point; Economies and diseconomies of scale and scope;
DEC 2021	Production function: Short term and long run production function, law of variable proportion and return to scale. Iso-quant curves, Market Structure and Competition; Price and output determination under perfect competition, monopoly, monopolistic competition and oligopoly. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Modern theories of firm; Bamoul's theory of sales maximization, Managerial Theory, Behavioural Theory; National Income: Concept and Measurement.

Subject Teacher: Mr. Deepak (Eco)
Incharge: Dr. Renu Rathee

MC-104 FINANCIAL ACCOUNTING AND REPORTING

MONTH	TOPICS
NOV 2021	Introduction to Accounting: Meaning, nature and scope, branches of accounting; Generally accepted accounting principles (GAAP): Demand and supply of financial statement information: Parties demanding financial statement information, Conflicts among parties, factors affecting demand for financial statement information. Accounting Cycle: Business transactions and source documents, Analyzing transactions, Journalizing and posting transactions, preparing a trial balance, adjusted trial balance and preparation of financial statements of trading concerns. Final Accounts with adjustments.
DEC 2021	The conceptual framework of financial Statements: purpose of the framework, scope and coverage, Qualitative characteristics of financial statements. Concept of capital and capital maintenance. Performa financial statements of corporate entities, Significance of notes to financial statements and accounting policies. Other financial reports: Auditor's report, Directors report and corporate governance report. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Quality of earnings: Window dressing. Creative financial practices, impact of extraordinary items, Quality of disclosure in reported earnings. Financial Distress: meaning, indicators, models of distress prediction.

Subject Teacher: Ms.Usha
Incharge: Dr. Renu Rathee

MC-105 BUSINESS STATISTICS

MONTH	TOPICS
NOV 2021	Univariate analysis: central tendency, dispersion (theoretical concept); Probability: Introduction, addition theorem, multiplication theorem, conditional probability, Bayes Theorem. Theoretical probability distributions: Binomial, Poisson, Normal Distribution: their characteristics and applications. Sampling:

MONTH	TOPICS
DEC 2021	probability and non probability sampling methods. Sampling distribution and its characteristics. Hypothesis testing: hypothesis formulation, and testing. Statistical Tests: z-test, t-test, f-test. Analysis of variance. Chi-square test, Wilcoxon Signed Rank test, Kruskal-Wallis test. Correlation analysis: simple, partial and multiple correlations. Regression analysis: simple linear regression model, ordinary least square method. Time series analysis: components of a time series and their measurements and uses. ASSIGNMENT AND UNIT TEST
JAN 2022	Index numbers: meaning and types, methods for measuring indices, adequacy of indices. Statistical quality control: causes of variation in quality, Control Charts, Acceptance sampling.

Subject Teacher: Ms. Niharika

Incharge: Dr. Renu Rathee

MC-106 E

COMMERCE

MONTH	TOPICS
NOV 2021	Technology and Infrastructure for E-Commerce: Framework of E-commerce: Network Infrastructure for E-Commerce – Market Forces Influencing I-way, Network Access Equipment, Public Policy Issues Shaping the I-way; EDI – Applications in Business, Legal, Security and Privacy Issues of EDI; Components of EDI Standards, ASC X12 and EDIFACT. UNIT-II E-Commerce and Retailing: Changing Retail Industry Dynamics, Mercantile Models from the Consumer's Perspective, Management Challenges in Online Retailing. Intranets and Customer Asset Management: Basics of Customer Asset Management, Online Sales Force, Online Customer Service and Support, Technology and Marketing Strategy
DEC 2021	Intranets and Manufacturing: Integrated Logistics, Agile Manufacturing, Emerging Business Requirements, Manufacturing Information Systems, Intranet-based Manufacturing, Logistics Management. E-Commerce and Online Publishing: Why Online Publishing, Online Publishing approaches, Advertising and Online Publishing. E-Commerce and Banking: Changing Dynamics in the Banking Industry, Home Banking Implementation Approaches, Management Issues in Online Banking ASSIGNMENT AND UNIT TEST
JAN 2022	Intranets and Corporate Finance: An Introduction, Financial Systems, Financial Intranets, Software Modules in Financial Information Systems, Human Resource Management Systems, Size/Structure of Financial Software Market.

Subject Teacher: Mr. Deepak (Commerce)
Dr. Renu Rathee

Incharge:

MC-301 CORPORATE GOVERNANCE AND BUSINESS ETHICS

MONTH	TOPICS
NOV 2021	Evolution of corporate governance; developments in India; regulatory framework of corporate governance in India; SEBI guidelines on corporate governance; reforms in the **Companies Act.** Corporate management vs. governance; internal constituents of the corporate governance; key managerial personnel (KMP);
DEC 2021	Chairman- qualities of a chairman, powers, responsibilities and duties of a chairman; chief executive officer (CEO) role and responsibilities of the CEO. Introduction to Business Ethics: The concept, nature and growing significance of Ethics in Business. Ethical Principles in Business. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Ethics in Management, Theories of Business Ethics, Ethical Issues in Business, Business Ethics in 21st Century Ethics in various functional areas of Business: Ethics in Finance, Ethics in HRM, Ethics in Marketing, Ethics in Production and Operation Management.

Subject Teacher: Ms.Sunita
Dr. Renu Rathee

Incharge:

MC-302 BUSINESS LEGISLATION

MONTH	TOPICS
NOV 2021	The Indian Contract Act, 1872: Meaning of a Contract, Classification of Contracts, Essentials of a Valid Contract; Performance of a Contract; Discharge of a Contract; Breach of Contract; Quasi Contracts; Contract of Indemnity and Guarantee, Bailment and Pledge, Contract of Agency. The Sales of Goods Act, 1930: Meaning and essentials of a valid contract of sale, Distinction between sale and agreement to sell, Meaning of goods and their classification,

	Conditions and warranties, Doctrine of Caveat Emptor, Rights of an unpaid seller, Rights of buyer.
DEC 2021	Negotiable Instruments Act, 1881: Meaning and characteristics of negotiable instrument, Types of negotiable instruments and their characteristics, Holder and Holder-in-due-course, Discharge and Dishonour of negotiable instruments, Negotiation and Assignment. The Companies Act, 2013: Meaning and Characteristics of a Company; Objects and Applications of Companies Act, 2013; Landmark provisions of new Companies Act, 2013; Classification of companies; Concept of One Person Company; Formation of a company, Memorandum and Articles of association, Prospectus, Allotment of shares and share capital, Membership in companies, **ASSIGNMENT AND UNIT TEST**
JAN 2022	Meetings of Companies: General principles of meetings, Types of meetings; Prevention of Oppression and Mismanagement; Winding up of a Company; Consumer Protection Act: Define consumer rights, provisions regarding complaints in consumer courts, Unfair Trade Practices and Restrictive Trade Practices, Consumer Protection Council, Consumer forum.

Subject Teacher: Ms. Soniya
Dr. Renu Rathee

Incharge:

OE-304
APPLICATIONS OF MARKETING

MONTH	TOPICS
NOV 2021	Consumer Behaviour: Introduction to consumer behaviour, Understanding the role of internal and external influences on consumer behaviour, Consumer Decision Making Process. Sales and Distribution: Introduction to Sales, Its Importance, objectives and functions; Sales forecasting & designing sales territories; Distribution Channels: purpose & types of distribution channels. Retailing: Introduction to Retailing; Organized Vs Unorganized retailing, Types of Retail formats.
DEC 2021	Internet marketing: Relevance of Internet Marketing, Web analytics, SEO, Social Media Marketing. Marketing of Services: Introduction to Services, Characteristics of Services compared to Goods, Service Mix, Gap model of Service Quality, Service classification. Marketing Communication: Elements of Marketing Communication, Relevance of IMC, Designing a Marketing Communication Programme. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Industrial Marketing: Meaning and Concept of Industrial Marketing, Types of Industrial Customers, Classification of Industrial Products, Industrial Buying Process. Rural Marketing: Introduction to rural markets in India, Classification

of products and services in rural marketing. Analysis of rural demand. Marketing Practices in rural market

Subject Teacher: Ms. Smriti
Dr. Renu Rathee

Incharge:

MCF-314
SECURITY ANALYSIS

MONTH	TOPICS
NOV 2021	The Investment Environment - Meaning and objective of investment, investment vs. gambling and speculation, investment alternatives, investment process, concept of return and risk. Security Analysis - Fundamental analysis: economic analysis, industry analysis and company analysis.
DEC 2021	Technical analysis: assumptions Dow theory, chart patterns, moving averages and market indicators. Efficient market theory: weak form hypothesis, semi-strong form hypothesis and strong form hypothesis. Fixed Income Securities - Bond fundamentals: bond characteristics, pricing and yields Valuation of fixed income and variable income securities. ASSIGNMENT AND UNIT TEST
JAN 2022	Indian Security Market - New issue market, secondary market: SEBI, NSE, BSE and market indices. Recent trends in Indian and international stock markets, exposure to leading business web portals like www.moneycontrol.com, www.bloomberg.com etc.

Subject Teacher: Ms. Nandini
Incharge: Dr. Renu Rathee

MCF-316 RISK MANAGEMENT AND INSURANCE

MONTH	TOPICS
NOV 2021	Introduction to risk management: The Concept of Risk, Risk v/s Uncertainty, Classification of risk: Major Personal Risks and Commercial Risks: objectives of Risk Management, steps in the Risk Management Process: Techniques of managing Risk. Insurance and Risk: meaning and characteristics of Insurance. Insurable risk characteristics, Adverse selection.
DEC 2021	Types of Insurance, Benefits and costs of Insurance to Society, Enterprise Risk Management. Insurance Market Dynamics, Financial Analysis in Risk

	management Decision Making. The evolution and growth of Life Insurance, various types of insurance; Principles of Insurance; Insurance Contracts, Insurance Company Operations, leading insurance companies in India. Role of IRDA. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Life Insurance: Types of Life Insurance, Life Insurance Contractual Provisions, Buying Life Insurance, The Liability Risk, Auto Insurance, Home Insurance, Health Insurance, Group and Pension Insurance Policies

Subject Teacher: Ms. Jyoti Renu Rathee
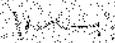
Incharge: Dr.

MCM-321 MARKETING OF SERVICES

MONTH	TOPICS
NOV 2021	Introduction to Services: Service and Technology, Goods versus Services, Service Marketing Mix, Gap model of Services, important service industries-Hospitality and Tourism, Transportation, Telecom, Banking and Insurance, Education and Entertainment, Healthcare, Service classification and challenges in Service Business. Focus on the Customer: Consumer behaviour in Services, Customer Expectation of Services, and Customer perception of services
DEC 2021	Elements in an effective services marketing research programme, Building customer relationship, Relationship development strategies, Reasons of Service failure, Service recovery and strategies, Aligning Service design and standards; Challenges of Services Innovation and design, new service development process. Service Blueprinting, Customer-defined service standards and its types, Physical evidence and types of services cape, Strategic roles of services cape. **ASSIGNMENT AND UNIT TEST**
JAN 2022	Delivering and performing services: Employees role in service delivery, Customers role in-service delivery, Delivering services through intermediaries and electronic channels, Strategies for matching capacity and demand, Key service communication challenges, Approaches to pricing services, Financial and Economic impact of services.

Subject Teacher: Ms. Shalu Dr. Renu Rathee

Incharge:

Principal
Dayanand College

MCM-322 CONSUMER BEHAVIOUR

MONTH	TOPICS
NOV 2021	Consumer Behaviour: Introduction to consumer behaviour, its Roots in Various Disciplines, Interrelationship between Consumer Behaviour and Marketing Strategy, Consumer Research, Process, Research Methods & Tools, Types and its Relevance. Consumer as an Individual -Consumer Needs and Motivation, Goals, Dynamics of Motivation, Measurement of Motives, Personality and its Relevance. Consumer Behaviour, Nature, Theories of Personality and Self Concept. Consumer Behaviour: Nature, Theories of Personality and Self Concept, Dynamics of Perception, Consumer Perception and Information Processing, Dynamics of Perception, Consumer Imagery, and Perceived Risk.
DEC 2021	Consumer Learning & Consumer Involvement: Meaning, Behavioural & Cognitive Learning Theories and application to marketing Consumer Attitudes: Meaning, Attitude Formation & Change, Relationship in Behaviour & Attitude Formation, and Structural Models. Group Dynamics and Consumer Behaviour - Reference Groups: Meaning, Types, Affects, Relevance and Applications. The Family: Functions, Decision Making and Family Life Cycle. Social Class: Meaning, Types of Status, Lifestyle Profiles and Mobility in Social Classes. Measurements, Influence of Culture: Characteristics, Measurements & Core Values of Culture, Sub Cultural Aspects on Consumers' Mind Set: Meaning, Types & Understanding of Multiple Sub cultural Membership Interaction. **ASSIGNMENT AND UNIT TEST**
JAN 2022	&Influence. Personal Influence and the Opinion Consumer Decision Making Process- Personal Influence and the Opinion Leadership; Meaning and Dynamics of Opinion Leadership: Process, Measurement of Opinion Leadership. Diffusion of Innovations: Process of Diffusion & Adoption, Profile of Consumer Innovator. Consumer Decision Making: Meaning of Decision, Levels of Decision Making. Consumer Behaviour Models. Current trends and ethical issues in Consumer Behavioural Studies.

Subject Teacher: Ms. Anshul
Dr. Renu Rathee

Incharge:

Lesson plan for the Semester started
w.e.f. 08.11.2021

Name of Institute :   Dayanand College, Hisar
Name of the Teacher: Mr. Mahender Singh
Department :   History
Section :   B.A – I Sem. (Section- B, D, G)

Month	Class	Topic/Chapter Covered	Test/Assignment
November	BA- I Sem	Meaning and Scope of History Sources of Ancient Indian History Pre-Historic Age: Hunter Gatherers, Concept of Neolithic	
		Harappan Civilization: Origins, Extent, Town Planning, Economy, Society, Arts, Political Organization and causes of decline. Vedic Culture and Literature: Polity, Society & Religion Map Work	Assignment- I
December	BA- I Sem	Social Institutions: Varna, Caste and Untouchability Emergence of Sixteen Mahajanpas and the Rise of Magada Empire Religious Movements: Causes of Rise of Religious movement, Buddhism and Jainism. Map Work	Internal Test
January	BA- I Sem	Mauryan Empire: Polity and Economy, Administration; Ashoka's Dhamma Post-Mauryan Empires: Kushanas and Satvahanas Gupta Map Work	Assignment- II
February	BA- I Sem	Gupta Empire: Establishment and Expansion, Administration, Society, Economy, Art and Architechture Map Work Revision	

Head of Department

Lesson plan for the Semester started
w.e.f. 08.11.2021

Name of Institute :   Dayanand College, Hisar
Name of the Teacher: Mr. Mahender Singh
Department :   History
Section :   B.A – III Sem. (Section- E & G)

Month	Class	Topic/Chapter Covered	Test/Assignment
November	BA- III Sem	Establishment of the Mughal Empire: Babur Sher Shah Suri and His Administration	
		Akbar: Expansion of Empire and Religious Policy Aurangzeb: Expansion of Empire and Religious Policy Relations of Mughals with the Rajputs Deccan Policy of the Mughals Map Work	Assignment- 1
December	BA- III Sem	Mughal Administration and Revenue System Institutions: Mansabdari and Jagirdari Decline of the Mughal Empire MapWork	Internal Test
January	BA- III Sem	Rivalry between the French and the British in India Founding of the British Empire: Battles of Plessey & Buxer Consolidation of the British Empire: Subsidiary Alliance System and Doctrine of Lapse; Map Work	Assignment- II
February	BA- III Sem	Annexation of Punjab Uprising of 1857: Causes, Events and Consequences Revision	

Head of Department

DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- 1 (B. Sc. -1) year
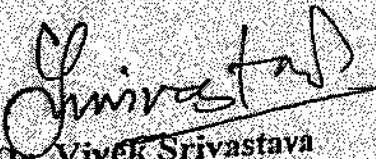
Submitted By:- Dr. Kanchan
Discipline Specific Elective Biotechnology Paper-I
Introduction to Biotechnology
(BIT 101 L)

Max. Marks: 80
Internal Assessment: 20

Sr. No.	Month	Topics
1.	November 16,2021 to November 21,2022	Introduction to Biotechnology: History and major landmarks in the development of biotechnology, Introduction to gene and genomes, Proteins and proteome.
2	November 22, 2021	Sunday
3	November 23,2021 to November 28,2021	Fermentation technology: General introduction, basic technique and applications,:
4	November 29, 2021	Sunday
5	November 30, 2021	Guru Nanak Jayanti
6	December 1,2021 to December 5,2021	Plant Tissue Culture:General introduction, basic technique and applications, Animal Tissue Culture: General introduction, basic technique and applications.
7	December 6,2021	Sunday
8	December 7,2021 to December12,2021	Genetic Engineering: Introduction and history, Recombinant DNA technology, Genetically modified organisms (GMOs), DNA finger printing and forensic analysis.
9	December 13,2021	Sunday

Principal
Dayanand College,
HISAR

10	December 14,2021 to December19,2021	Applications of biotechnology: Applications of biotechnology in agriculture, animal husbandry, veterinary sciences, food & feed industry, chemical industry
11	December 20,2021	**Sunday**
12	December 21,2021	**Problems Taken and Assign the assignments.**
13	December 22,2021 to December 24,2021	environment, bioremediation & waste water treatment, solid waste management, biofuels, human health and medicine (Monoclonal antibodies, hybridoma technology and embryo transfer technology)
14	December 25,2021	**Christmas** Holiday
15	December 26,2021 to December 28,2021	Bio-safety and Ethics: Biotechnology research in India, Biotechnology in context of developing world, Brief account of safety guidelines and risk assessment in biotechnology, Ethics in Biotechnology, Intellectual property rights. Nanotechnology: Introduction, history and scope (Brief account)

Dr. Vivek Srivastava
(Associate Professor)
Head, Dept. of Biotechnology

Dr. KANCHAN
(Assistant Professor)
Subject Tutor

Principal
Dayanand College,
HISAR

DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- 1(B. Sc. -1) year

Submitted By: - Dr. Kanchan
Discipline Specific Elective Biotechnology Paper-1
Biochemistry-1
(BTT 102 L)

Sr. No.	Month	Topics
1.	December 29,2021 to January 1,2022	Biochemistry: Introduction, History and major landmarks in the development of biochemistry, Chemical Foundations of Life – biomolecules and biological chemistry.
2	January 2,2022	Sunday
3	January 3,2022 to January 8,2022	Interactions in biological systems: Intra and intermolecular forces, Electrostatic and hydrogen bonds, Disulfide bridges, Hydrophobic and hydrophilic molecules and forces, Water and weak interactions, pH and buffers.
4	January 9,2022	Sunday
5	January 10,2022 to January 15,2022	Carbohydrates: Structure, Function and properties of biologically important monosaccharides, disaccharides and polysaccharides. Homo & Hetero Polysaccharides, Mucopolysaccharides
6	January 16,2022	Sunday
7	January 17,2022 to January 22,2022	Bacterial cell wall polysaccharides, Glycoprotein's and their biological functions
8	January 23,2022	Sunday
9	January 24,2022	Amino acids and Proteins: Structure and properties of amino acids, Essential amino acids,
10	January 25,2022	Rare and non-protein amino acids, acid base behaviour/zwitterions; pKa value and titration curve.

Principal
nd College.
HSAR

11	January 26,2022	Holiday
12	January 27,2022	Solve Doubts and Difficulties.
13	January 28,2022 to January 30,2022	Proteins: Peptide bond, Structure and function of some biologically important peptides Types of proteins and their classification. Forces stabilizing protein structure and shape. Different Level of structural organization of proteins
14	January 31,2022	Sunday
15	February 1,2021 to February 6,2022	Lipids: Introduction and Classification – simple and complex lipids, Fatty acids – structure and nomenclature, soap value, acid value, iodine number, rancidity.
16	February 7,2022	Sunday
17	February 8,2022 to February 12,2022	Lipids: Introduction and Classification – simple and complex lipids, Fatty acids – structure and nomenclature, soap value, acid value, iodine number, rancidity.
18	February 13,2022	Revision and problem taken

Dr. Vivek Srivastava
(Associate Professor)
Head, Dept. of Biotechnology

Dr. KANCHAN
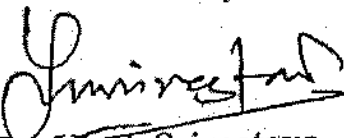(Assistant Professor)
Subject Tutor

Principal
nd College
HSAR

DAYANAND COLLEGE, HISAR
Department of Biotechnology
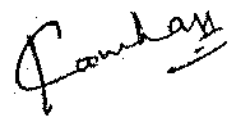### LESSON PLAN (2021-2022)
Semester- V (B. Sc. -III) year
Submitted By: - Dr. Raj Rani
Discipline Specific Elective Biotechnology Paper-I
Plant Biotechnology
(BIT 501 L)

Sr. No.	Month	Topics
1	November 9, 2021	Course outcomes discussion.
2	November 10, 2021 to November 13,2021	Plant Tissue Culture: Introduction, Concept, History, Scope and Applications. Plant Tissue Culture Laboratory: Layout, organization, equipments, instruments and other requirements. Aseptic Techniques: General Sanitation/cleanliness of PTC laboratory and precautions regarding maintenance of aseptic conditions, Washing, drying and sterilization of glassware, sterilization of media.
3	November 14,2021	Sunday
4	November 15,2021 to November 20,2021	Culture Media: Nutritional requirements for plant tissue culture, role of different media components, plant growth regulators, differen culture media viz. MS, B5 Nitsch and White' medium. In-vitro methods in plant tissue culture
5	November 21,2021	Sunday
6	November 22,2021 to November 23,2021	Explants, their cellular characteristic dedifferentiation and redifferentiation, cellu' totipotency, organogenesis and soma embryogenesis.
7	November 24,2021	Holiday
8	November 21,2021	Sunday

DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- V (B. Sc. -III) year
Submitted By: - Dr. Raj Rani
Discipline Specific Elective Biotechnology Paper-II
Microbial Biotechnology
(BIT 502 L)

Max. Marks: 80
Internal Assessment: 20

Sr. No.	Month	Topics
1.	December 26,2021 to January 1,2022	**Microbial Biotechnology:** Historical landmarks, General concept. Screening and Isolation of Micro organisms: Industrially important microbes, their screening and isolation, enrichment culture. Strain improvement- bacterial genetics, mutant selection, Recombination, recombinant DNA technology
2	January 2,2022	**Sunday**
3	January 3,2022 to January 8,2022	**Strain preservation and maintenance.** Nutrition and cultivation of microorganisms: Basic nutrition and metabolism, Natural and Synthetic media, Sterilization techniques; Microbial growth kinetics.
4	January 9,2022	**Sunday**
5	January 10,2022 to January 15,2022	Microbial Fermenters/Bioreactors: Basic design of fermenters. Physco-chemical standards used in bioreactors (agitation, aeration, pH, temp., dissolved oxygen etc.). Types of fermenters- stirred tank, airlift etc. Fermentation types – Continuous, Batch culture, Solid state and Submerged. Quantification of growth, thermodynamics of growth, effect of different factors on growth.
6	January 16,2022	**Sunday**
7	January 17,2022 to January 22,2022	Process Development and Downstream Processing: Shake flask fermentation, scale up of the process. Separation of particles, disintegration of cells, extraction, concentration, purification and drying of the products. **Microbial Products:** a brief discussion about production of certain industrial products such as –Alcohol Alcoholic beverage (Beer), Organic acids (citric acid), Antibiotics (penicillin), Amino acids (glutamic acid, Vitamin (B12), enzymes (protease, alpha amylase) and Biotransformation.

J. College.

Semester- III (B. Sc. -II) year
Biotechnology Paper VII
Molecular Biology
(BIT 301 L)
Submitted by :- Dr. Asha

Sr. No.	Month	Topics
1	November 9, 2021	Course outcomes discussion
2	November 10, 2021 to November 13, 2021	Molecular Biology: Introduction to molecular aspects of life. DNA as the genetic material – experiments proving DNA and RNA as genetic material. Nucleic acids: Structure, function and properties of DNA and RNA. Watson and Crick model of DNA.
3	November 14, 2021	Sunday
4	November 15, 2021 to November 20, 2021	DNA forms (A, B and Z), their characteristic. Different types of RNA, their structure and function. Eukaryotic genomes: Chromosomal organization and structure. Euchromatin, heterochromatin, centromere, telomere. Chromatin structure (nucleosome), histone and non-histone proteins.
5	November 21, 2021	Sunday
6	November 22, 2021 to November 27, 2021	DNA Replication: Central dogma of molecular biology. Semi-conservative mode of DNA replication, experimental proof. Unidirectional and bidirectional mode of DNA replication, theta model.
7	November 28, 2021	Sunday
8	November 29, 2021 to 4, December 2021	DNA replication in prokaryotes and eukaryotes, different stages, proteins and enzymes involved. DNA damage and repair: causes of DNA damage, mutations. Repair mechanisms- photo reactivation, excision repair, mismatch repair.
9	5 December 2021	Sunday
10	December 6, 2021 to December 11, 2021	Transcription in prokaryotes and eukaryotes, diff. stages, mechanism, promoters, transcription factors, RNA polymerases. Post transcriptional modifications- 5' cap formation, 3'-end processing/polyadenylation and gene splicing and generation of mature mRNA.

11	December 12, 2021	Sunday
12	December 13, 2021 to December 18, 2021	Inhibitors of transcription .Genetic Code: concept, elucidation or cracking of genetic code, features of genetic code, Wobble hypothesis. Structure of gene-introns/exons, regulatory sequences, structure of prokaryotic gene
13	December 19, 2021	Sunday
14	December 20, 2021 to December 23, 2021	Translation/Protein synthesis: Mechanism of initiation, elongation and termination of protein synthesis in prokaryotes and eukaryotes. Inhibitors of translation, Post-translational modifications .Regulation of Gene Expression in prokaryotes and eukaryotes, induction and repression, positive and negative regulation. Operon model- lac, ara, trp, catabolite repression, transcription attenuation.
15	December 24, 2021	Assignment Submision.
16	December 24, 2021	Christmis Holiday

Dr. Vivek Srivastava
(Associate Professor)
Head, Dept. of Biotechnology

Dr. Asha
(Assistant Professor)
Subject Tutor

Principal
and College,
HISAR

Semester- III (B. Sc. -II) year
Biotechnology Paper VIII
Bio-analytical Techniques
(BIT 302 L)
Submitted by :- Dr. Asha

Sr. No.	Month	Topics
1	December 26,2021 to January 1,2022	Microscopy: Simple microscopy, phase contrast microscopy, Florescence and electron microscopy (TEM and SEM), pH meter.
2	January 2,2022	Sunday
3	January 3,2022 to January 8, 2022	Spectroscopy: Principle and law of absorption, colorimetry, Spectrophotometry (visible, UV, infrared)
4	January 9,2022	Sunday
5	January 10,2022 to January 15,2022	cell fractionation techniques, isolation of sub-cellular organelles and particles, Chromatography: Principle of chromatography, Paper chromatography, thin layer chromatography, column chromatography, silica and gel filtration, affinity and ion exchange chromatography, gas chromatography, HPLC
6	January 16,2022	Sunday
7	January 17,2022 to January 22,2022	Electrophoresis: Introduction to electrophoresis, Starch-gel, polyacrylamide gel (native and SDS-PAGE), agarose-gel electrophoresis, pulse field gel electrophoresis, immuno- electrophoresis, isoelectric focusing, Western blotting
8	January 23,2022	Sunday
9	January 24, 2022	Assessment test.
10	January 25,2022 to January 29,2022	DNA (A, B, Z-DNA) and RNA (rRNA, mRNA, tRNA).
11	January 30,2022	Sunday
12	January 31,2022	Problems Taken and Assign the assignments

Principal
d College
R

13	1,February 2022 to 5 February 2022	Properties of DNA – absorption, denaturation, renaturation, hybridization, Tm/Cot values.Biological importance of ATP and GTP
14	6,February 2022	Sunday
15	7,February 2022 to 8,February 2022	Assignment submission and assessment test.

Dr. Vivek Srivastava
(Associate Professor)
Head, Dept. of Biotechnology

Dr. Asha
(Assistant Professor)
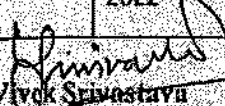Subject Tutor

Principal
 nanand College,
  HISAR

Lesson plan for the Semester started w.e.f. 16.10.2021

Name of Institute :   Dayanand College, Hisar
Name of the Teacher: Dr. Suruchi Sharma
Department :   History
Section :   B.A – I Sem. (Section- A & C)

Month	Class	Topic/Chapter Covered	Test/Assignment
October	BA- I Sem	Meaning and Scope of History Sources of Ancient Indian History Pre-Historic Age: Hunter Gatherers, Concept of Neolithic	
November	BA- I Sem	Harappan Civilization: Origins, Extent, Town Planning, Economy, Society, Arts, Political Organization and causes of decline. Vedic Culture and Literature: Polity, Society & Religion Map Work	Assignment- 1
December	BA- I Sem	Social Institutions: Varna, Caste and Untouchability Emergence of Sixteen Mahajanpas and the Rise of Magada Empire Religious Movements: Causes of Rise of Religious movement, Buddhism and Jainism. Map Work	Internal Test
January	BA- I Sem	Mauryan Empire: Polity and Economy, Administration; Ashoka's Dhamma Post-Mauryan Empires: Kushanas and Satvahanas Gupta Map Work	Assignment- II
February	BA- I Sem	Gupta Empire: Establishment and Expansion, Administration, Society, Economy, Art and Architecture Map Work Revision	

Head of Department

Lesson plan for the Semester started
w.e.f. 16.10.2021

Name of Institute :   Dayanand College, Hisar
Name of the Teacher: Dr. Mahender Singh (Associate Professor)
Department :   History
Section :   B.A – V Sem. (Section- D & H)

Month	Class	Topic/Chapter Covered	Test/Assignment
October	BA- V Sem	Transition from Feudalism to Capitalism in Europe Renaissance: Origins, Emergence and Results	
November	BA- V Sem	Reformation: Origins, Emergence and Results Shift of Economic Balance from the Mediterranean to Atlantic Region Early Colonial System: Motives, Process and Consequences of Colonization of Americas Map Work	Assignment- I
December	BA- V Sem	Mercantile Revolution: Origins and Results Scientific Revolution: Origins and Impact Glorious Revolution: Origins and Results Map Work	Internal Test
January	BA- V Sem	Industrial Revolution: Origins, Progress and Impact Agricultural Revolution: Origins, Progress and Impact Map Work	Assignment- II
February	BA- V Sem	Revision	

Head of Department

Lesson plan for the Semester started w.e.f. 16.10.2021

Name of Institute :   Dayanand College, Hisar
Name of the Teacher: Dr. Suruchi Sharma
Department :   History
Section :   B.A – V Sem. (Section- A & B)

Month	Class	Topic/Chapter Covered	Test/Assignment
October	BA- V Sem	Transition from Feudalism to Capitalism in Europe Renaissance: Origins, Emergence and Results	
November	BA- V Sem	Reformation: Origins, Emergence and Results Shift of Economic Balance from the Mediterranean to Atlantic Region Early Colonial System: Motives, Process and Consequences of Colonization of Americas Map Work	Assignment- I
December	BA- V Sem	Mercantile Revolution: Origins and Results Scientific Revolution: Origins and Impact Glorious Revolution: Origins and Results Map Work	Internal Test
January	BA- V Sem	Industrial Revolution: Origins, Progress and Impact Agricultural Revolution: Origins, Progress and Impact Map Work	Assignment- II
February	BA- V Sem	Revision	

Head of Department

Lesson plan for the Semester started

w.e.f. 16.10.2021

Name of Institute : Dayanand College, Hisar
Name of the Teacher: Dr. Mahender Singh (Associate Professor)
Department : History
Section : B.A – III Sem. (Section- D & H)

Month	Class	Topic/Chapter Covered	Test/Assignment
October	BA- III Sem	Establishment of the Mughal Empire: Babur Sher Shah Suri and His Administration	
November	BA- III Sem	Akbar: Expansion of Empire and Religious Policy Aurangzeb: Expansion of Empire and Religious Policy Relations of Mughals with the Rajputs Deccan Policy of the Mughals Map Work	Assignment- I
December	BA- III Sem	Mughal Administration and Revenue System Institutions: Mansabdari and Jagirdari Decline of the Mughal Empire MapWork	Internal Test
January	BA- III Sem	Rivalry between the French and the British in India Founding of the British Empire: Battles of Plessey & Buxer Consolidation of the British Empire: Subsidiary Alliance System and Doctrine of Lapse; Map Work	Assignment- II
February	BA- III Sem	Annexation of Punjab Uprising of 1857: Causes, Events and Consequences Revision	

Head of Department

DAYANAND PG College, HISAR
Lesson Plan of Year 2021-2022
Department- Mathematics
Course Name- Algebra:CML-106/BAMH111

Programme Name-B.Sc(Non Med, Electronics, Comp. Science)/B.A. 1

Teachers-Dr. Inderjit Singh,Mrs. Kanta,Ms Rekha,Mrs. Namrata   SEM-1

Month	Week	Topic	Assignment/ Test
N O V	3rd	1.symmetric. skew symmetric	
	4th	2.Hermitian and skew-Hermitian.	
D E C	1st	1. Elementary operation on matrices, Rank of a matrix. Inverse of a matrix.	1st Assignmen
	2nd	2. Linear dependence and independence of rows and columns of matrices, Row rank and column rank of a m	
	3rd	3. Eigen values, eigen vectors and the characterstic equation of a matrix, Minimal polynomial of a matrix.	
	4th	4. Cayley Hamilton theorem and its use in finding inverse of a matrix.	
J A N	1st	1. Application of matrices to a system of linear (both homogenous and non-homogenous) equations.	Minor Test
	2nd	2. Theorems on consistency of a system of linear equations	
	3rd	3. Unitary and Orthogonal Matrices,Bilinear and Quadratic forms.	
	4th	4 .Descarte's rule of signs, Relations between the roots and coefficients of general polynomial equation in one variable.	
F E B	1st	1.Solution of polynomial equations having conditions on roots.Common roots and multiple roots.	2nd Assignment
	2nd	2.Transformation of equations,Nature of the roots of an equation.	
	3rd	3.Descarte's rule of signs, Solution of cubic equations (Cardan's method).	
	4th	Revision , Test	

COURSE:CALCULUS:CML-107/BAMH112

Programme Name- B.Sc.(Non Med, Electronics, Comp. Science)/B.A 1

Teacher-Ms. Kiran,Ms. Parul,Mr. Amit,Ms. Rekha Rani   SEM-1

Month	Week	Topic	Assignment/ Test
NOV	3rd	Definition of the limit of a function, Basic properties of limits. Continuous functions and classification of discontinuity	
	4th	Differentiability. Successive differentiation.	
DEC	1st	Leibnitz theorem, Maclaurin and Taylor series expansions	1st Assignmen
	2nd	Asymptotes in Cartesian coordinates, Intersection of curve and its asymptotes	
	3rd	Asymptotes in polar coordinates. Curvature	
	4th	Radius of curvature for Cartesian curves, parametric curves, polar curves. Newton's method	
	1st	Radius of curvature for pedal curves, Tangential polar equations.	
	2nd	Centre of curvature. Circle of curvature. Chord of curvature. evolutes	

JAN	3rd	Tests for concavity and convexity, Point of inflexion, Multiple points, Cusps, nodes and conjugate points. Type of cusps	Minor
	4th	Tracing of curves in Cartesian, parametric and polar co-ordinates.	
FEB	1st	Reduction formulae. Rectification.	
	2nd	Intrinsic equations of curve.Quadrature(area) Sectorial area	
	3rd	Area bounded by closed curves., Volumes and Surfaces of solids of revolution	2nd Assignment
	4th	Theorems of Pappu's and Guilden.	
		Revision	

COURSE:PRATICAL IN PROGRAMMING IN C:CMP110/BAMH 113

Programme Name- B.Sc(Non Med, Electronics, Comp. Science)/B.A. 1
Teacher- Dr. Inderjit Singh,Ms. Renu, Ms. Kiran Mr. Monu,Ms. Parul

SEM-I

Month	Week	Topics
NOV	3rd	Program To Calculate Simple Interest ,Program to calculate Compound Interest .
	4th	Program To Calculate Arithmetic Mean Of Three Numbers
DEC	1st	Program To Calculate Area And Perameter Of A Circle
		Program To Calculate Area Of Triangle By Heron's Formula
	2nd	Program To Check Wheather The Number Is Odd or Even
		Program to Calculate Greatest Of Three Numbers
	3rd	Program To Find The Roots Of A Quadratic Equation
		Program to Reverse The Digits Of A Positive Number
	4th	Program to Convert Decimal To Binary
JAN	1st	Program To Generate First n Prime Numbers
	2nd	Program to Check Wheather The Number Is Prime or not
	3rd	Program To Check A Year Is Leap Or Not
	4th	Program To Find The Sum Of First n Natural Numbers
February	1st	Program to Generate Pyramid
	2nd	Program to find simple interest using switch statement
	3rd	Program to prepare Electricity Bill,
	4th	Program to Calculate Gross salary of an Employee
		Practical File Completion

COURSE NAME:NUMERICAL ANALYSIS:CML-307/BAMH202

PROGRAM NAME-B.Sc(Non Med, Electronics, Comp. Science)/B.A III
TEACHERS-Mr. Khawaish,Dr. Neeru Bala,Mr. Hitesh   SEM-III

Month	Week	Topic	Test/Assign.
N O V	3rd	Finite difference operators and their relation ,finding the missing terms and effect of error in a difference tabular values	
	4th	Interpolation with equal intervals ;Newton 's forward and backward interpolation formulae	
D E C	1st	Newton's divided difference,lagrange's interpolation ,formule ,hermite formulae	
	2nd	central difference : Gauss forward and backward interpolation formulae, sterling ,Bessel formulae	Assignment

Month	Week	Topic	Test/Assign.
	3rd	Binomial ,Poisson ,normal distribution, Numerical differentiation	
	4th	Eigen value problems :Power method ,Jacobi's method,Given's method,	
J A N	1st	Numerical Integration: Newton -Cote's formula, trapizoidal rule ,Simpson's rule	
	2nd	Gauss quadrature formula,chebychev formula	
	3rd	Numerical solution of ordinary differential equations: single step method ,picards method ,taylor series method	
	4th	Euler's method ,runge-kutta method	Minor Test.
F E B	1st	Multiple step methods,Predictor-Corrector method	
	2nd	Modified Euler's method ,Milne simpson's method	
	3rd	Revision,Group Dicussion	
	4th	Test	

Course Name- Advanced Calculus- CML306/BAMH201

Programme Name- B.Sc.(Non Med, Electronics, Comp. Science),B.A II

Teacher- Ms. Parul,Ms. Renu,Mr. Mandeep   SEM-III

Month	Week	Topic	Test/Assign.
N O V	3rd	Continuity, Sequential continuity, properties of continuous functions, Uniform continuity.	
	4th	Chain rule of differentiability, Mean value theorems, Rolle's theorem and Lagrange's mean value theorem and their geometrical interpretations.	
D E C	1	Taylor's theorem with various form of remainders.	
	2nd	Darboux intermediate value theorem for derivatives, Indeterminate forms.	Assignment
	3rd	Limit and continuity of real valued functions of two variables.	
	4th	Partial differentiation, Total differentials.	
J A N	1st	Composite functions and Implicit Functions, Change of variables, Homogeneous functions.	
	2nd	Euler's theorem on homogeneous functions, Taylor's theorem for functions of two variables.	Test
	3rd	Differentiability of real valued functions of two variables.Schwarz and Young's theorem, Implicit function theorem.	
	4th	Maxima, Minima and saddle points of two variables. Lagrange's method of multipliers	
F E B	1st	Curves: Tangents, Principal normals, Binormals.	
	2nd	Serret-Frenet formulae, Locus of the centre of curvature.Spherical curvature	Assignment
	3rd	Locus of centre of Spherical curvature,involutes, Evolutes, Bertrand curves.	
	4th	Revision and Group Discussion	

Course Name- Maths Lab-III-CMP310/BAMH203

Programme Name- B.Sc.(Non Med, Electronics, Comp. Science),B.A II

Teacher- Dr. Neeru Bala,Mr. Vikas,Ms. Kanta,Mr. Amit,Ms. Rekha Rani, Mr. Hitesh

Month	Week	Topic	-
P S T E	3rd	To interpolate the data using Newton's forward interpolation formula	
	4th	To interpolate the data using Newton's backward interpolation formula	
	1st	To interpolate the data using Gauss's forward interpolation formula	

O C T	2nd	To interpolate the data using Gauss's backward interpolation formula
	3rd	To interpolate the data using Lagrange's interpolation formula
	4th	To find the roots of algebraic and transcendental equations using Bisection method
N O V .	1st	To find the roots of algebraic and transcendental equations using Regula-Falsi method.
	2nd	To find the roots of algebraic and transcendental equations using Secant method.
	3rd	To find the roots of algebraic and transcendental equations using Newton-Raphson's method.
	4th	To solve the system of linear equations using Gauss -elimination method.
D E C	1st	To solve the system of linear equations using Gauss -Seidal iteration method.
	2nd	To solve the system of linear equation using Gauss –jordan method.
	3rd	To find the largest eigen value of a matrix by Power -method.
	4th	To integrate numerically using Trapezoidal rule.
J A N	1st	To integrate numerically using Simpson's one- third rule.
	2nd	To integrate numerically using Simpson's three-eighth rule.
	3rd	To find numerical solution of ordinary differential equations by Euler's method/ Modified Euler's method.
	4th	To find numerical solution of ordinary differential equations by Runge -Kutta method.

Course Name- Groups & Rings:CML-506/BAMH301

Programme Name- BA/BSc.(Non Med, Electronics, Comp. Science) III
TEACHERS- Mr. Vikas,Mrs. Namrata, Mr. Hitesh SEM-V

Month	Week	Topic	Assignment/ Test
S E P	3rd	Definitions of a Group, Examples of Abelian and Non Abelian groups.	
	4th	The group Zn of integers under addition modulo n&group U(n), Cyclic Groups	
O C T	1st	Subgroups and Criteria, Cosets and Properties	
	2nd	Index of Subgroup,Coset decomposition, Lagrange's Theorem and its Consequences	
	3rd	Normal Subgroups,	1st Assignmen
	4th	Quotient Groups, Homomorphisms	
N O V	1st	Isomorphisms, Automorphisms on Group,	
	2nd	Permutation Groups, Alternating Groups	
	3rd	Centre of a group, Class equation of group, Introduction to Rings.	Minor Test
	4th	Subrings, Integral Domains and Fields.	
		Characteristics of Ring , Ideals/Principle, Prime and Maximal	

	1st	Characteristics of Ring, ideals(principle, Prime and maxi...
D E C	2nd	Ring Homomorphism , Thoerem on Ring Homomorphism
	3rd	Quotient Rings, Field of Quotients of an Integral Domain,
	4th	Euclidean Ring
J A N	1st	Polynomial Rings, Polynomial over Rational Field,
	2nd	Einstein Criteria of Irreducibility
	3rd	PID, UFD
	4th	Test & Rivision

PROGRAM NAME-B.Sc(Non Med, Electronics, Comp. Science)/B.A)II

TEACHERS - Mr. Vikas,Ms. Kiran,Mr. Vinesh   **SEM-V**

Month	Week	Topic
N O V	3rd	Topology of real numbers:boundedness,infin points,neighbourhoods
	4th	interior points,open sets,closed sets,closure of a set
D E C	1st	Sequences: real sequences and their convergence,th sequences
	2nd	bounded and monontonic sequences,cauchy's sequ
	3rd	convergence and divergence of infinite s tests,cauchy's general principle of convergence
	4th	convergence and divergence of geometric series,hy
J A N	1st	Rabbe's test ,De morgan test,gauss test, cauchy's nth
	2nd	Alternating series ,Arbitrary series
	3rd	Fourier's series,Dirichlet's conditions,parseval's identity f
	4th	Fourier's series for even and odd functions,half range ser
F E B	1st	Riemann's integral,darboux's theorem,i continuous,monotonic functions and disconlinuous f
	2nd	The fundamental theorem of integral calculus, mean
	3rd	Revision,Group Dicussion
	4th	Test

Course -Number Theory & Trigonometry:CM

Programme Name- B.A/BSc.(Non Med, Electronics, Comp. Science)III

Teachers- Mr. Monu,Mr. Naresh,Mr. Vinesh   **SEM-V**

Month	Week	Topic
P S T E	3rd	Primes, Fundamental Theorem of Arithmetic
	4th	Linear Diophantine equations in two variables,
	1st	Linear Congruences

	2nd	Fermat's theorem, Wilson's theorem and its converse.	Assignm.
O C T .	3rd	Divisibility, G.C.D.(Greatest Common Divisors), L.C.M.(Least Common Multiple).	
	4th	The number of divisors and the sum of divisors of a natural numer n(The functions d(n) and s(n)).	
N O V .	1st	Complete Residue System and Reduced Residue System modulo m, Euler f function.	Test
	2nd	Euler's Generalization of Fermat's theorem.	
	3rd	Chinese Remainder Theorem, Quadratic Residues.	
	4th	Moebius Function and Moebius Inversion Formula.	
D E C .	1st	Lengendre Symbols, Lemma of Gauss	
	2nd	Gauss Reciprocity law, Greatest integer function [x].	
	3rd	Expansion of trigonometrical functions. Direct circular and their properties.	
	4th	Hyperbolic functions and their properties.	
J A N .	1st	Inverse circular and hyperbolic functions and their properties, Logarithm of a complex quantity.	Assignment
	2nd	Gregory's series. Summation of trigonometric series.	
	3rd	Revision,Group Dicussion	
	4th	Test	

Course Name-Business Mathematics-I:BC-105

Programme Name- BCom. I
Teachers-Ms. Renu,Ms. Rekha Rani   Sem-I

Month	Week	Topics	Assignment/Test
N O V	3rd	Logarithm	
	4th	Anti-logarithm	
D E C	1st	Arithmetic Progression	1st Assignmen
	2nd	Geometric Progression	
	3rd	Simple derivative of different functions	
	4th	Rules of differentiation	
J A N	1st	Maxima and Minima of functions of one variable.	Minor Test
	2nd	Definition and Types of matrix.	
	3rd	Algebra of matrices, Properties of determinant.	
	4th	Adjoint of matrices, Elementary row and column operation,Finding inverse of matrices.	
F E B	1st	Solution of a system of linear equations having unique solution and involving not more than three variables.	2nd Assignment Revision Test:
	2nd	Certain different types of interest rates. Concept of present value And amount of sum.	
	3rd	Types of annuities, Present value and amount of an annuity.	
	4th	Valuation of simple loans and debentures,Problems relating to sinking funds.	

PROGRAME NAME-B.B.A I   **COURSE NAME:ELEMENTS OF BUSINESS MATHEMATICS:BBA-105**

SEM-I

Month	Week	Topic	Test/Assign.
N O V	3rd	Theory of sets- Meaning ,elements,types ,presentation and equality of sets	
	4th	Union ,intersection, complement and difference of sets ,venn diagram	
D E C	1st	Cartesian product of two sets ;application of set theory	
	2nd	Indices and logarithms ,arithmetic and geometric progressions and their bussiness applications	
	3rd	Sum of first n natural numbers, sum of squares and cubes of first n natural number	Assignment
	4th	Permutations	
J A N	1st	Combinations	
	2nd	Binomial theorem ,Quadratic equations	
	3rd	Matrices-Types,Properties,Addition,Multiplication,Transpose,Inverse	
	4th	Properties of determinants, solution of simultaneous linear equation	Minor test
F E B	1st	Differentiation and Integration	
	2nd	Bussiness application of Matrices	
	3rd	Revision,Group Discussion	
	4th	Test	

Programme Name-M.Sc. I
Teacher- Mr. Vikas

Course Name- Algebra-MAL:511
Sem-I

Month	Week	Topic	Assignment/ Test
N O V	3rd	Zassenhaus's lemma,normal and subnormal series, composition series	
	4th	Scheiers theorem ,Jordan -Holder theorem, commutators and their prop	
D E C	1st	Three subgroup lemma of P.Hall,central series, nilpotent groups	
	2nd	Upper and Lower central series and their properties ,invariant and chief series	Assignment
	3rd	Solvable groups , derived series , field theory ,Prime fields	
	4th	Extension fields,Algebraic and Transcendental extensions and their theorems	
J A N	1st	Algebraically closed field,Conjugate elements	
	2nd	Normal extensions ,Separable and Inseparable extensions	
	3rd	Perfect fields,Construction with ruler and compass	Minor Test
	4th	Finite Fields, Roots of unity ,Cylotomic polynomial , Primitive elements	
F E B	1st	Automorphisms of extensions ,Galois extension ,Fundamental theorem of Galois theory	
	2nd	Solutions of polynomial equations by radicals ,insolvability of the general equation of degree five by radicals	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. I

Course Name- Real Analysis-MAL:512

Month	Week	Topic	Assignment/Test
N O V	3rd	Definition and existence of Reimann-Stieltjes integral ,properties of the integral , Integration and differentiation	
	4th	Fundamental theorem of calculus ,integration of vector valued function	
D E C	1st	Sequences and series of function , pointwise and uniform convergence, cauchy criterion for uniform convergence	Assignment
	2nd	Weierstrass M-Test, Abel's and Dirichlet's tests , Uniform convergence and continuity	
	3rd	Uniform convergence and Reimann-Stieltjes Integration ,Weierstrass Approximation theorem	
	4th	Power series, Uniqeness theorem for power series , Abel's Theorems	
J A N	1st	Functions of several variables, linear transformations,derivatives in an open subset,partial derivatives,derivatives of higher orders	Minor Test
	2nd	Taylor's theorem,Inverse function theorem,Implicit function theorem,Jacobians,Lagrange'smulultiplier method	
	3rd	extremum problems with constraints,Set functions	
	4th	Intuitive idea of measure ,Elementary properties of measure ,Measurable sets and their fundamental properties	
F E B	1st	Lebesgue measure of sets of real numbers,algebra of measurable sets, Borel sets	
	2nd	Equivalent formulation of measurable sets in tems of open ,closed,Non Measurable sets	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. I
Teacher-Mr. Khawaish

Course Name- MECHANICS-MAL:513
SEM-I

Month	Week	Topic	Assignment/Test
N O V	3rd	Moments and products of inertia,Theorems of parallel and perpendicular axes,principal axes	
	4th	The momental ellipsoid,Equimomental systems,Coplanar distributions,G	
D E C	1st	Holonomic and non holonomic systems,Scleronomic and Rheonomic systems,Lagrange's equations for a holonomic system	
	2nd	Lagrange's equations for a conservative and impulsive forces,Kinetic energy as quadratic function of velocities,Generalized potential,Hamilton's variables	Assignment
	3rd	Hamilton's variables , Donkin's theorem,Hamilton canonical equations,Cyclic coordinates,Routhi's equations,Jacobi-Poisson theorem	
	4th	Hamilton's Principle ,Principle of least action,Poincare Cartan integral invariant,Whittaker's equations,Hamilton-Jacobi equation,method of seperation of variables	

J A N	1st	Lagrange's brackets, condition of canonical character of transformation in terms of Lagrange bracets and poisson brackets	Minor Test
	2nd	Invariance of Lagrange brackets and poisson brackets under canonical transformations	
	3rd	Gravitation : Attraction and potential of rod ,disc,spherical shells and sp	
	4th	Laplace and Poisson equations ,Work done by self attracting systems	
F E B	1st	Distributions for a given potential ,Equipotential surfaces ,surface and solid harmonics	
	2nd	surface density in terms of surface harmonics	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. 1
Teacher- Mrs. Namrata

COURSE NAME: ORDINARY DIFFERENTIAL EQUATIONS-MAL:514
SEM-1

Month	Week	Topic	Assignment/ Test
N O V	3rd	Initial value problem and the equivalent integral equation,ε-approximate solution,Cauchy -Euler construction of an ε-approximate solution,Ascoli-Arzela theorem	
	4th	Cauchy-Peano existence theorem ,Lipschitz condition,Picard-Lindelof th	
D E C	1st	solution of initial-value problems by Picard method,Approximate methods of solving first-order equations:Power series method ,Numerical methods	Assignment
	2nd	Continuation of solutions,maximum interval of existence,Extension theorem,Dependence of solutions on initial conditions	
	3rd	Matrix method for homogeneous first order systems,nth order equations	
	4th	Total differential equations:Conditions of integrability , methods of solution	
J A N	1st	Gronwall's differential inequality ,comparison theorems involving differential inequalities	Minor Test
	2nd	Zeroes of solutions,Sturms seperation and comparison theorems, Oscillatory and non oscillatory equations	
	3rd	Riccati's equations and its solution,Pruffer transformation	
	4th	Sturm-Liouville boundary value problems	
F E B	1st	Lagrange's identity and green's formula for second order equation	
	2nd	properties of eigen values and eigen functions	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. 1
Teacher- Mr. Naresh

COURSE NAME: COMPLEX ANALYSIS-1-MAL:515
Sem-1

Month	Week	Topic	Assignment/ Test

N O V	3rd	Cauchy Riemann equations,Analytic functions,Reflection principle	
	4th	Complex Integration ,Antiderivatives,Cauchy-Goursat theorem	
D E C	1st	Simply and multiply connected domains,Cauchy Integral formula,Higher order derivatives	
	2nd	Morera's theorem,Cauchy's inequality,Liouville's theorem	Assignment
	3rd	The fundamental theorem of Algebra,Maximum Modulus principle,Schwarz lemma	
	4th	Poisson's formula,Taylor's series, Laurenmt's series	
J A N	1st	Isolated singularities, Meromorphic functions,Argument principle	
	2nd	Rouche's theorem, Residues , Cauchy's residue theorem	
	3rd	Evaluation of integrals,Mittag-Leffler's expansion theorem	Minor Test
	4th	Branches of many valued functions with special refrence to arg z ,Log z	
F E B	1st	Bilinear transformations,their properties and classification	
	2nd	Examples of conformal mapping	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. 1
Teacher- Mr. Mandeep

COURSE NAME: PROGRAMMING WITH FORTRAN (THEORY)-MAL:516

Sem-1

Month	Week	Topic	Assignment/ Test
N O V	3rd	Computer Programming in FORTRAN 90/95.Numerical constants and variables,arithmetic expressions ,implicit declaration,named constants,inpit/output	
	4th	list directed input /output statements,Format specifications	
D E C	1st	Declaration including KIND specifications,use of complex variables	
	2nd	Logical expressions and control flow,conditional flow,IF structure,Block DO loop	
	3rd	Counted controlled loops,arrays, input/output of arrays,arrays with variable size using ALLOCATABLE statement	Assignment
	4th	arrays handling functions,multidimensional arrays	
J A N	1st	Strings ,declaration of character variables,character handling functions	
	2nd	operators on strings,Subprograms,Types of Subprograms	
	3rd	Significance functions,subroutines,procedures with array arguments,Rec	Minor Test
	4th	Derived types,Elements of derived type, arrays and derived type Processing files	
F E B	1st	Sequential file,Direct Access file,creating and closing a file	
	2nd	Pointers and Accessing elements using pointers with example	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name- MSci
Teacher- Mr. Mandeep

COURSE :PROGRAMMING WITH FORTRAN (PRACTICAL)-MAL:51

SEM-1

Month	Week	Topics

V N O	3rd	Program To find area of circle	
	4th	Program to find area of triangle by Heron's formula	
D E C	1st	Program To check leap year	
		Program To find sum of digits of a number	
	2nd	Program To find sum of sine series	
		Program to Calculate Greatest Of Three Numbers	
	3rd	Program To Find The Roots Of A Quadratic Equation	
		Program to generate Fibonacci Series	
	4th	Program to find sum of cosine series	
J A N	1st	Program to find the sum of matrix	
	2nd	Program to Check Whether The Number Is Prime or not	
	3rd	Program To find transpose of a matrix	
	4th	Program To Find The trace of a matrix	
F E B	1st	Program to find product of matrix	
	2nd	Program to generate first n prime numbers	
	3rd	Revision	

Programme Name-M.Sc. II
Teacher- Ms. Renu

COURSE NAME: TOPOLOGY-MAL631
Sem-III

Month	Week	Topic	Assignment/Test
N O V	3rd	Definitions and examples of topological spaces,Closed sets,Closure,Dense subsets,Neighbourhoods,interior ,Exterior and boundary points of a set	
	4th	Accumulation points and derived sets,Bases and subbases,Subspaces	
D E C	1st	Alternate methods of defining a topology in terms of Kuratowski Closure operator and neighbourhood systems,continuous functions and homeomorphisms	
	2nd	Compactness,Continuous functions and compact sets ,basic properties of compactness ,compactness and finite intersection property	Assignment
	3rd	Sequentially and countably compact sets ,Local compactness and one point compactification	
	4th	Compactness in metric spaces ,Equivalence of compactness ,countable compactness and sequential compactness in metric spaces	
J A N	1st	Connected spaces ,Connected spaces on the real line ,Components,Locally connected spaces	
	2nd	First and second Countable spaces ,Lindelof's theorem,Seperable spaces ,Second countabilityand searability	Minor Test
	3rd	Seperation axioms, To,T₁ and T₂ spaces, Their characterisation and prope	
	4th	Regular and normal spaces ,Urysohn's Lemma ,T₃ and T₄ spaces ,complete regularity and normality	
	1st	Product topological spaces ,Projection topological spaces ,Projection mapping	

	2nd	Tychonoff product topology in terms of standard sub base and its characterisations	
E B	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. II
Teacher- Ms. Kiran

COURSE NAME: PARTIAL DIFFERENTIAL EQUATIONS-MAL632
Sem-III

Month	Week	Topic	Assignment/ Test
N O V	3rd	Solution of Partial Differential Equations Transport Equation -Initial value Problem	
	4th	Non -homogeneous Equation,Laplace's Equation - Fundamental solution	
D E C	1st	Mean value formulas ,Properties of Harmonic functions ,Green's function, Energy methods	Assignment
	2nd	Wave Equation -solution by spherical means ,Non -homogeneous equations	
	3rd	Energy methods ,Poisson's formula,Kirchoff's formula	
	4th	D.Alembert's formula ,uniqueness of solution domain of dependence of solution	
J A N	1st	Heat Equation-Fundamental solution,Solution of initial value problem ,Non homogeneous equation	Minor Test
	2nd	Mean value formula , Nonlinear First order PDE - Complete Integrals,Envelopes,Characteristics	
	3rd	Hamilton -Jacobi Equations,Hamilton's ODE ,Hopf-Lax formula,Weak sol	
	4th	Representation of solutions- Seperation of variables,Similarity solutions	
F E B	1st	Fourier and Laplace Transform ,Hopf-Cole transform	
	2nd	Hodograph and Legendre Transforms,Potential functions	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. II
Teacher- Mr. Mandeep

COURSE NAME: MECHANICS OF SOLIDS-I-MAL633
Sem-III

Month	Week	Topic	Assignment/ Test
N O V	3rd	Cartesian Tensor: Coordinate transformation,Cartesian Tensor of different order ,Sum or difference and product of two tensors,Contraction theorem,Kroneckor tensor,alternate tensor	
	4th	Scalar invariant of second order tensor,Quotient law	

		1st	symmetric and skew symmetric tensors,Eigen values &vector of a symmetric second order tensor,gradient, divergence,curl of a tensor field	
D E C		2nd	Analysis of strain: affine transformations, infinitesimal affine deformation, Geometrical interpretation of the components of strain	Assignment
		3rd	Strain quadric of cauchy, principal strains and invariants, General infinitesimal deformation, Saint-Venant's equations of compatiblity	
		4th	Analysis of stress:Stress tensor, equations of equilibrium, transformation of coordinates	
J A N		1st	Stress of quadric of cauchy, principal stress and invariants	Minor Test
		2nd	Maximum normal and shear stresses	
		3rd	Equations of elasticity:Generalised Hooke's law, homogenous isotropic n	
		4th	Elastic moduli for isotropic media, equilibrium and dynamic equations for an isotropic elastic solid	
F E B		1st	Strain energy function and it's connection with Hooke's law	
		2nd	Beltrami-Michell compatibility equations, Saint-Venant's principle	
		3rd	Group Discussion, Revision	
		4th	Doubt session	

COURSE:COMPUTING LAB II(MATLAB PROGRAMMING &APPLICATIONS)-MAP634

Programme Name-M.Sc. II

Teacher- Mr. Amit   Sem-III

Month	Week	Topic	Assignment/Test
N O V	3rd	User defined functions and function files:Main features of a function file, saving a function file, using a user defined function, comparision between script files and function files	
	4th	Anonymous and Inline functions, using function handles for passing a fu	
D E C	1st	Using a function name for passing a function into a function, sunfunctions, nested functions	
	2nd	Polynomials : Value of a polynomial, roots of a polynomial, addition, multiplication and division of polynomial, derivatives of polynomials	Assignment
	3rd	Curve fitting with polynomials, the polyfit function, curve fitting with functions other than polynomials	
	4th	Applications in numerical analysis: Solution of an equation with one variable, numerical integration, ordinary differential equations	
J A N	1st	Three dimensional plots : Line plots, mesh and surface plots, plots with special graphics, the view command	
	2nd	Symbolic math:Solving algebraic equations, differentiation, integration, solving an ODE	Minor Test
	3rd	Plotting symbolic expressions, numerical calculations with symbolic expr	
	4th	Numerical methods-interpolation:Lagrange's interpolation formula, Newton Gregory Forward and backward interpolation formula	

	1st	Solution of a system of linear equations:Gauss Elimination method,Gauss Jordan method	
F E B	2nd	Solution of ordinary differential equations:Euler's method, Euler's Modified method,Runge-Kutta 2nd & 4th order mrthod	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. II
Teacher- Mrs. Kanta

COURSE NAME: ANALYTIC NUMBER THEORY-MAL635
Sem-III

Month	Week	Topic	Assignment/ Test
N O V	3rd	Primes in certain arithmetical progression, Fermat numbers	
	4th	Mersenne numbers, Approximation of irrational numbers by rationals	
D E C	1st	Hurwitz's theorem, Irrationality of e & π	Assignment
	2nd	System of linear congruences Chinese remainder theorem, Quadratic residues and non-residues	
	3rd	Legendre's Symbol, Gauss Lemma and its applications	
	4th	Quadratic law of reciprocity Jacobi's symbol	
J A N	1st	Riemann Zeta function $\zeta(s)$ and its convergence, application in prime numbers	Minor Test
	2nd	$\zeta(s)$ as Euler's product, evaluation of $\zeta(2)$ and $\zeta(2k)$, Dirichlet series with simple properties, Introduction to modular function	
	3rd	Dirichlet series as analytic function & its derivative,Euler's products	
	4th	Euler's summation formula and some elementaryasymptotic formula,Average order of the arithmetical functions $d(n)$, $\sigma a(n)$, $\phi(n)$, $\mu(n)$ and $\Lambda(n)$	
F E B	1st	Partial sums of a Dirichlet product and their application to $\mu(n)$ and $\Lambda(n)$, Chebyshev's functions $\Psi(x)$ and $v(x)$ and relation between them	
	2nd	Shapiro's Tauberian theorem and its applications, partial sums of the Mobius function, Selberg's asymptotic formula	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name-M.Sc. II
Teacher- Mr. Amit

COURSE NAME: ADVANCED DISCRETE MATHEMATICS-MAL637
SEM-III

Month	Week	Topic	Assignment/ Test
N O V	3rd	Formal Logic - Statements, Symbolic, Representation and Tautologies, Quantifiers	
	4th	Proposition Logic, Lattices - Lattices as partially ordered sets, Their properties, Lattices as Algebraic systems	
	1st	Some special Lattices, e.g., complete, complemented and Distributive Lattices.	

D E C	2nd	Sets Some Special Lattices e.g., Bounded, Complemented & Distributive Lattices.	Assignment
	3rd	Boolean Algebra - Boolean Algebra as Lattices, Various Boolean Identities,	
	4th	The Switching Algebra example, Join - Irreducible elements, Atoms and Minterms, Boolean Forms and Their Equivalence, Minterm Boolean Forms,	
J A N	1st	Sum of Products canonical Forms, Minimization of Boolean Functions, Applications of Boolean Algebra to Switching Theory	Minor Test
	2nd	Graph Theory - Definition of Graphs, Paths, Circuits, Cycles and Subgraphs, Induced Subgraphs, Degree of a vertex, Connectivity,	
	3rd	Planar Graphs and their properties, Euler's Formula for Connected Planar Graph, Complete and Complete Bipartite Graphs	
	4th	Trees, Spanning Trees, Minimal Spanning Trees, Matrix Representation of Graphs	
F E B	1st	Euler's theorem on the Existence of Eulerian Paths and circuits, Directed Graphs, Indegree and outdegree of a vertex,	
	2nd	Weighted undirected Graphs, Strong Connectivity and Warshall's Algorithm, Directed Trees, Search Trees, Tree Traversals.	
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Programme Name- MScII
Teacher- Mr. Mandeep

COURSE :PROGRAMMING WITH MATLAB (PRACTICAL)-MAP634
SEM-III

Month	Week	Topics
N O V	3rd	Program for calculating roots, polynomial value at a point
	4th	Program to find addition, multiplication and division
D E C	1st	Program To find derivative of a polynomial
		Program for solving a non-linear equation
	2nd	Program To find maximum and minimum values of a polynomial
	3rd	Program To calculte numerical integration of function
		Program to fit a polynomial of degree three & plot it
	4th	Program for curve fitting with function other than polynomials
J A N	1st	Program to find value of y between points using interpolation
	2nd	Program to find coordinates x, y, z are given as function of parameter t
	3rd	Program To convert temperature from Fahrenheit to Celsius
	4th	Program To solve ODE using Euler's method
F E B	1st	Program to solve the function using Runge Kutta method
	2nd	Program to solve a 1st order ordinary differential equation
	3rd	Revision

Programme Name-BCA I
Teacher- Mrs. Namrata

COURSE: ELEMENTS OF MATHEMATICAL FOUNDATIONS-BCA-PC(L)11
SEM-1

Month	Week	Topic	Assignment/ Test

Month	Week	Topic	Activity
N O V	3rd	Sets, subsets and operations on sets	
	4th	Venn Diagram of sets, power sets, equivalence relations on sets	
	1st	Partition of a sets, partially ordered sets, boolean algebra	1st Assignment
D E C	2nd	Basic properties of limits, continuous functions and classfication of discontinuities	
	3rd	Derivatives of a functions, derivatives of logrithmic, exponential, trigonometric, inverse trigonometrically and hyperbolic functions	
	4th	higher order derivatives	
J A N	1st	Addition, multiplication of matrices, laws of matrix algebra	
	2nd	Singular and non singuar matrices, inverse and rank of a matrix	Minor Test
	3rd	Rank of the product of two matrices, system of linear equation	
	4th	Characteristic equations of a square matrix, Cayley Hamilton theorem	
F E B	1st	Eigen values and eigen vectors	
	2nd	Eigen values and eigen vectors of symmetric and skew-symmetric, hermitian and skew-hermitian	2nd Assignment
	3rd	Group Discussion, Revision	
	4th	Doubt session	

Lesson planning for the semester started
w.e.f. 16.08.2022

Name of Institute   : **Dayanand College, Hisar**
Name of The teacher   : **Dr. Pramod Kumar (Assistant Professor)**
Department   : **Defence Studies**
Class & Section   : **BA – I Sem. (H) (Theory & Practical)**

Month	Class	Topic/Chapter (Theory & Practical)	Test Assignment
August	BA - I Sem	**Theory:** Defence studies: Concept, Scope, and Importance. **Practical:** Map: Its definition, characteristics, classification, Management Information of Toposheet and its utility for Military.	
September	BA - Ist Sem	**Theory:** Defence Studies: Its relations with other disciplines –Geography, Economics, Political Science, History, Psychology and Sociology. Meaning and Concept of War, Strategy and Tactic. **Practical:** Conventional Sign: Military & Geographical. Grid System: Four Figure and Six Figure Map References. Sheet Number. Million Sheets, 'Quarter-Inch Sheets', 'Half-inch Sheet', 'One-inch Sheet' and 'Index of Sheets'.	Assignment-I
October	BA - Ist Sem	**Theory :** Principal of War; ABC warfare (Atomic, Biological, or chemical) **Practical:** Scale: Definition, Three Methods of representing Scale Inter-Conversion of Statement into R.F. Constructions of Simple Scale Line, Time and Diagonal Scale; Methods of Finding North Direction.	Test
November	BA - Ist Sem.	**Theory:** Defence Mechanism of India & Rank Structure of Armed Forces. **Practical:** Liquid Prismatic Compass – Functions of its various Parts; Rank Structure of Armed Forces.	Assignment-II
December	BA - Ist Sem	Revision	

In-Charge

Dept of Defence Studies

Lesson planning for the semester started
w.e.f. 16.08.2022

Name of Institute   : **Dayanand College, Hisar**
Name of the Teacher   : **Dr. Pramod Kumar (Assistant professor)**
Department   : **Defence Studies**
Class & Section   : **B.A – III Sem (B) (Theory)**

Month	Class	Topic/Chapter (Theory)	Test/Assignment
August	BA- III Sem	Theory: Meaning of National Defence and Security; Essential of national defence: geographical factors, economic factors, international political condition, defence mechanism of modern state.	
September	BA- III Sem	India's defence problem in 21st century; India's defence policy; Nuclear policy of India.	Assignment-I
October	BA - III Sem	Civil Military Relations of India; Civil Defence ; Military Aid to Civil Administration	Test
November	BA - III Sem	War Finance Taxation, Borrowing And Inflation; Cost Of War and Economic Mobilization In War.	Assignment-II
December	BA- III Sem	Revision	

In-Charge

Dept of Defence Studies

Lesson planning for the semester started
w.e.f. 16.08.2022

Name of Institute   : **Dayanand College, Hisar**
Name of The teacher   : **Dr. Ravinder Kumar**
Department   : **Defence Studies**
Class & Section   : **B.A – IIIrd Sem. (B) (Practical)**

Month	Class	Topic/Chapter (Practical)	Test/Assignment
August	BA- III Sem	Sand Model Meaning, Importance and Preparing.	
September	BA- III Sem	Detailed study of an infantry platoon including Organisation, Weapon And Equipments. Study of field crafts with reference to ground, cover, camouflage, concealment and observation.	Assignment
October	BA- III Sem	Application of fire fire control and fire control orders, practical formations – section and platoon.	Test
November	BA- III Sem	Verbal orders; 400-800 words essay on any topics of the contemporary and current strategic issues related with Internal Security Of India	Assignment
December	BA- III Sem	Revision	

In-Charge

Dept of Defence Studies

President
Dayanand College,
Hisar

Lesson planning for the semester started
w.e.f. 16.08.2022

Name of Institute : . Dayanand College, Hisar
Name of The teacher : Mr. Ravinder Kumar (Assistant professor)
Department : Defence Studies
Class & Section : B.A – V Sem. (C) (Theory & Practical)

Month	Class	Topic/Chapter (Theory & Practical)	Test/ Assignment
August	BA – V Sem.	**Theory:** Science and Technology: Definition and concept; Emerging Technology and its impact and weapons; Electronic warfare: Concept and application. **Lab Work:** IT: Network LAN, WAN, Military sensor etc; RADAR and its signification, Types, Posts	
September	BA – V Sem.	**Theory:** RADAR and its significance, Basic types application. Information Technology and its impact on warfare (i) Communication Tech. (ii) Military Tech. DRDO : Its role in weapons development (a) Armoured Vehicles : Tanks and APC's (b) Aircraft UAV's (c) Submarine and Aircraft Carrier (d) Missiles : Range, Introductions, Parts and Specification . Prithvi, Brahmos Agni, K – 4, SLBM. **Lab Work:** Electronic Warfare in terms of Lasers, ECM, ECCM ; Cyber Security : Information, Images, Techniques of cyber Attack	Assignment
October	BA – V Sem.	**Theory:** Cyber Warfare / Security (i) Introduction to cyber Technology, Network, LAN, WAN (ii) Types of Cyber Crime : Hacking, Password Crack, Theft etc. (iii) Impact of Cyber Crimes on National Security, Impact of Cyber Crime on Armed Forces, National Economy / Market and Citizen Security. (iv) Cyber Law: National Cyber Security policy 2013; India „s position in Science and Technology : War Technology and development . **Lab Work :** Ballistic Missiles : SSM, SAM, SLBM, SRBM, IRBM, ICBM; Project Report / Field visit	Test
November	BA – V Sem.	**Theory:** War Finance Taxation, Borrowing And Inflation; Cost Of War and Economic Mobilization In War. **Lab Work:** Space technology: Various Satellite in space for military use, Military importance of Satellite, characteristics of Military Satellite.	Assignment
December	BA – V Sem.	Revision	

In-Charge

Dept of Defence Studies

संस्कृत –विभाग
दयानन्द कॉलेज, हिसार

नाम : – सीमा चौधरी
विषय :– संस्कृत
कक्षा :– बी.ए. प्रथम वर्ष
सत्र :– प्रथम

संस्कृत –पाठ-योजना (2021-22)

मास	कक्षा	विषय/अध्याय	परीक्षा/प्रदत्त कार्य
नम्बवर 21	बी ए प्रथम वर्ष	पाठयक्रम परिचय हितोपदेश, (व्याख्या) व्याकरण : शब्द रूप	प्रदत्त कार्य
दिसम्बर 21	बी ए प्रथम वर्ष	हितोपदेश, (व्याख्या) व्याकरण : धातु–रूप	प्रदत्त कार्य
जनवरी 22	बी ए प्रथम वर्ष	नीतिशतकम् (1–50 श्लोक) व्याकरण : सन्धि	कक्षा परीक्षा
फरवरी 22	बी ए प्रथम वर्ष	पुनरावृति	

Principal
Dayanand College
HISAR

संस्कृत -विभाग

दयानन्द कॉलेज ,हिसार

नाम   :-   सीमा चौधरी
विषय   :-   संस्कृत
कक्षा   :-   बी.ए. द्वितीय वर्ष
सत्र   :-   तृतीय

संस्कृत -पाठ-योजना (2021-22)

मास	कक्षा	विषय/अध्याय	परीक्षा/प्रदत्त कार्य
नवम्बर 21	बी ए द्वितीय वर्ष	पाठ्यक्रम परिचय भास—जीवन परिचय पंचरात्रम् : प्रथम अंक व्याकरण परिभाषिक शब्द	प्रदत्त कार्य
दिसम्बर 21	बी ए द्वितीय वर्ष	पंचरात्रम् द्वितीय अंक संस्कृत साहित्य का इतिहास व्याकरण समास, प्रत्यय	प्रदत्त कार्य
जनवरी 22	बी ए द्वितीय वर्ष	पंचरात्रम् : तृतीय अंक व्याकरण: प्रत्याहार; पत्र लेखन	कक्षा परीक्षा
फरवरी 22	बी ए द्वितीय वर्ष	पुनरावृत्ति	

Principal
Dayanand College
HISAR

संस्कृत –विभाग
दयानन्द कॉलेज, हिसार

नाम   :–   सीमा चौधरी
विषय :–   संस्कृत
कक्षा   :–   बी.ए. तृतीय वर्ष
सत्र   :–   पंचम

संस्कृत –पाठ-योजना (2021-22)

मास	कक्षा	विषय/अध्याय	परीक्षा/प्रदत्त कार्य
नम्बवर 21	बी ए तृतीय वर्ष	पाठयक्रम परिचय कालिदास का जीवन परिचय अभिज्ञान–शाकुन्तलम् : प्रथम अंक, द्वितीय अंक	प्रदत्त कार्य
दिसम्बर 21	बी ए तृतीय वर्ष	अभिज्ञान–शाकुन्तलम् : तृतीय अंक संस्कृत साहित्य का इतिहास व्याकरण: कारक–प्रकरण	
जनवरी 22	बी ए तृतीय वर्ष	अभिज्ञान–शाकुन्तलम् : चतुर्थ अंक, वैदिक संस्कृत साहित्य का इतिहास व्याकरण: अलंकार	कक्षा परीक्षा
फरवरी 22	बी ए तृतीय वर्ष	पुनरावृति	

संस्कृत –विभाग
दयानन्द कॉलेज, हिसार

नाम   :–   सीमा चौधरी

विषय :–   संस्कृत

कक्षा   :–   बी. एस सी द्वितीय वर्ष (ई)

सत्र   :–   तृतीय

संस्कृत - पाठ-योजना (2021-22)

मास	कक्षा	विषय / अध्याय	परीक्षा / प्रदत्त कार्य
नम्बर 21	बी. एस सी द्वितीय वर्ष	पाठ्यक्रम परिचय ईशस्तवः वयं त्वां भजामः धर्मज्ञ रामः व्याकरण शब्द रूप	प्रदत कार्य
दिसम्बर 21	बी. एस सी द्वितीय वर्ष	राघुव्रतं चर विभीषणस्य विलाप गद्य पाठ परिचय अनुशासनम् सद्वृत्तम्	प्रदत कार्य
जनवरी 22	बी. एस सी द्वितीय वर्ष	बुद्धिर्यस्यबला तस्य नीलवर्णः श्रृगालः शशकस्य चातुर्यम् व्याकरण सन्धि	कक्षा परीक्षा
फरवरी 22	बी. एस सी द्वितीय वर्ष	पुनरावृति	

Principal
Dayanand College
HISAR

संस्कृत-विभाग
दयानन्द कॉलेज, हिसार

नाम- डॉ बबलू शर्मा

वर्ग- A₁, A₂, B, C, D, F

कक्षा- बी.एस.सी. द्वितीय

सामिसत्र- तृतीया (3ʳᵈ)

विषय- संस्कृत

संस्कृतपाठयोजना- (2021-22)

मास	कक्षा	पाठशीर्षक/व्याकरण	कक्षा परीक्षा/प्रदत्तकार्य
नवम्बर 21	बी.एस.सी. द्वितीय	पद्य पाठपरिचय (1-5) 1. ईशस्तवः 2. वयं त्वां भजामः 3. धर्मज्ञः रामः 4. साधुव्रतं चरः 5. विभाषणस्य विलाप।	प्रदत्त कार्य
दिसम्बर 21		गद्य पाठ - परिचयः	प्रदत्त कार्य

		1. अनुशासनम्	
		2. सद्वृत्तम्	
		3.बुद्धिर्यस्य बलं तस्य	
		व्याकरण- सन्धि	
जनवरी 2022		गद्य पाठ – (4-5)	कक्षा परीक्षा
		4. नीलवर्णः श्रृगालः	
		5. शशकस्य चातुर्यम्	
		6.बुद्धिर्यस्य बलं तस्य	
		व्याकरण – अच – सन्धि (यण् , अयादि, गुण, वृद्धि)	
		लघुत्तरात्मक प्रश्न	
फरवरी 2022		पुनरावृत्ति	

Dayanand Post Graduate College, Hisar
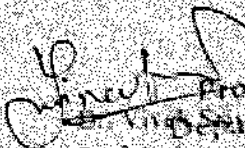
Department of Zoology

Lesson plan for session- 2021-22

Name of Teacher: Dr. Urmila
Designation: Assistant Professor
Class: B. Sc. 1 Medical and Biotechnology (I* Semester)
Subject: Zoology
Lesson Plan: November 2021 to January 2022

Zoology 101L (Animal Diversity I)

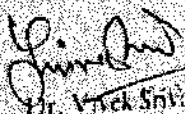| Tentative Dates	Topics
10 November 2021 to 13 November 2021	Phylum Protozoa: General characters, Classification and locomotory organs and mode of locomotion among Protozoans
14 November 2021	Sunday
15 November to 18 November 2021	Phylum Porifera: General characters and Classification and Canal system of Sycon
19 November 2021	Holiday
20 November 2021	Phylum Coelenterata: General characters and Classification
21 November 2021	Sunday
22 November 2021	Phylum Coelenterata: Polymorphism in Coelenterata
23 November to 27 November 2021	Phylum Platyhelminthes: General characters, Classification, Reproduction system, life history of *Taenia*
28 November 2021	Sunday
29 November to 04 December 2021	Phylum Nemathelminthes: General characters, Classification, Reproductive system and life history of *Ascaris*
05 December 2021	Sunday
06-11 December 2021	Phylum Annelida: General characters and Classification, Metamerism Class test Class Assignment
12 December 2021	Sunday
13-15 December 2021	Phylum Arthropoda: General characters and Classification, Vision in Arthropoda, Metamorphosis in insects
16-18 December 2021	Phylum Mollusca: General characters and Classification, Torsion in Gatropoda
19 December 2021	Sunday
20 December 2021	Doubt class

Professor Incharge
Department of Zoology
Prof. Incharge and College, Hisar
Department of Zoology

Teacher's Signature

Zoology 102 (Animal Diversity II)

Tentative Dates	Topics
21-24 December 2021	Phylum Echinodermata: General characters and Classification and Water-vascular system in Asteroidea
25 December 2021	Holiday
26 December 2021	Sunday
27 December To 29 December 2022	Subphylum Urochordata: Classification, Theories of origin of Chordata, Phylogeny of Protochordata
30 December To 01 January 2022	Subphylum Cephalochordata: General characters and Classification and affinities
02 January 2022	Sunday
03-05 January 2022	Superclass Agnatha: Class Cyclostomata: characters, classification and affinities
05-08 January 2022	Class Chondriethyes: Characters and classification
9 January 2022	Sunday
10-12 January 2022	Class Ostiechthyes: Characters and classification and Osmoregulation in Pisces
13-15 January 2022	Class Amphibia: Characters, classification and parental care in Amphibians Class test Class Assignment
16 January 2022	Sunday
17-22 January 2022	Class Reptilia: Characters and classification, poisonous and non-poisonous snakes, Poisonous apparatus and biting mechanism in snakes
23 January 2021	Sunday
24-25 January 2022	Class Aves: Characters, Classification
26 January 2022	Holiday
27 January 2022	Class Aves: Flight adaptation in Birds
28-29 January 2022	Class Mammalia: Characters Classification and Origin of Mammals
30 January 2022	Sunday
31 January 2022	Doubt class

Dr. Vivek Srivastava
Prof. Incharge
Department of Zoology
Professor Incharge
Department of Zoology
2nd College, Hisar

Teacher's Signature

Dayanand Post Graduate College, Hisar

Department of Zoology

LESSON PLAN FOR SESSION- 2021-22

Name of Assistant Professor: Mr. Sachin & Ms. Himani
Class: B. Sc. II Medical and Biotechnology(3rd Semester)
Subject: Zoology (Paper I & Paper II)
Lesson Plan: Nov. 2021 to Jan. 2022

ZOOLOGY 301 L (PHYSIOLOGY AND BIOCHEMISTRY-I)

Date	Topic
10 Nov. - 13 Nov.	Structure & Classification of Neuron, Graded Potential
14 Nov.	**Sunday**
15 Nov. - 18 Nov.	Origin of Action Potential, Propogation of Nerve Impulse
19 Nov.	Holiday
20 Nov.	Nerve Impulse Conduction Through Axo-Dendritic synapse
21 Nov.	**Sunday**
22 Nov.- 23 Nov.	Ultrastructure of Skeletal Muscle & Myofibrillar Filaments, Molecular & Chemical basis of Muscle Contraction
24 Nov. - 27 Nov.	Physiology of digestion, Absorption
28 Nov.	**Sunday**
29 Nov. - 04 Dec.	Composition of Blood, Structure of Heart & Cardiac Cycle
05 Dec	**Sunday**
06 Dec. - 08 Dec.	Pulmonary Ventilation & Respiratory Volume
09 Dec. - 11 Dec.	Transport of Oxygen & Carbon dioxide, Haldane & Bohr Effect
12 Dec.	**Sunday**
13 Dec.	Structure of Nephron
14 Dec. - 18 Dec.	Physiology of urine formation, Counter Current Mechanism
19 Dec.	**Sunday**
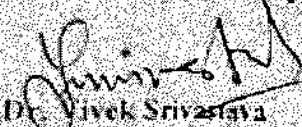
Principal
Dayanand College, Hisar

Incharge
Department of Zoology
Dayanand College, Hisar

ZOOLOGY 302 L (PHYSIOLOGY AND BIOCHEMISTRY-II)

DATE	TOPIC
20 Dec. - 21 Dec.	Spermatogenesis and Spermiogenesis
22 Dec. - 23 Dec	Oogenesis and its Hormonal Control
24 Dec.	Menstrual cycle
25 Dec.	Holiday
26 Dec.	Sunday
27 Dec. - 01 Jan.	Structure And Function of Parathyroid, Pancreas, AdrenalGland
02 Jan.	Sunday
03 Jan. - 04 Jan.	Glycolysis
05 Jan. - 06 Jan.	Kreb's Cycle, Pentose Phosphate Pathway
07 Jan. - 08 Jan.	Glycogen Metabolism
09 Jan.	Sunday
10 Jan.	Electron Transport Chain
11 Jan. - 13 Jan.	Biosynthesis of Palmitic Acid
14 Jan. - 15 Jan	Betaoxidation of Palmitic Acid
16 Jan.	Sunday
17 Jan. - 19 Jan.	Protein Metabolism
20 Jan. - 22 Jan.	IntroductionofEnzymes, Properties and Classification of Enzymes
23 Jan. - 25 Jan.	Mechanism of Action of Enzyme, Factors affecting Enzyme Activity
26 Jan.	Holiday
27 Jan. - 29 Jan.	Energy Kinetics of Enzymes, Regulation of Enzyme activity
30 Jan.	Sunday
31 Jan.	Doubt Class

Assignment & Unit Tests– upto 10th Dec., 2021 and upto 10th Jan., 2022.

Dr. Vivek Srivastava

Head of Deparment

Mr. Sachin

Ms. Himani

Assistant Professor

Dayanand College, Hisar

Department of Zoology

Lesson Plan for Odd Semester (Nov. 2021 to Jan. 2022)

Name of Teacher: Dr. Meenakshi Gupta

Class: B.Sc. IIIrd Year, 5th Sem.   Section: Medical (A1)   Subject : Zoology

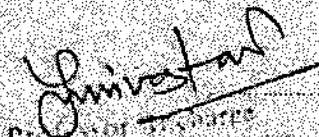Nomenclature & Paper Code: Applied Zoology-I, ZOO 501L (Paper I)

Applied Zoology-II, ZOO 502L (Paper II)

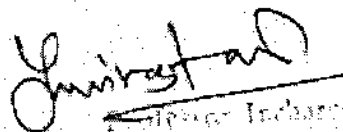| Tentative Dates	Topics
10 Nov. to 13 Nov. 2021	General Introduction of Syllabus
	Host and It's Types
14 Nov. 2021	Sunday
15 Nov. to 18 Nov. 2021	Parasitism
19 Nov. 2021	Holiday
20 Nov. 2021	Parasitism, Symbiosis
21 Nov. 2021	Sunday
22 Nov. to 27 Nov. 2021	Commensalism and Zoonosis and Revision
28 Nov. 2021	Sunday
29 Nov. to 04 Dec. 2021	Prevention and control of Tuberculosis
	Prevention & Control of Typhoid
	Reservoir and revision

Principal
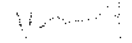Dayanand College

Department of Zoology
Dayanand College, Hisar,

05 Dec. 2021	Sunday
06 Dec. to 11 Dec. 2021	Brief account of *Rickettsia*
	Brief account of *Borrelia*
	Brief account of *Treponema*
	Unit Test I and Assignment I
12 Dec. 2021	Sunday
13 Dec. to 18 Dec. 2021	Life Cycle & Pathogenicity of *Plasmodium vivax*
	Doubt Session
19 Dec. 2021	Sunday

Professor Incharge
Department of Zoology
Dayanand College, Hisar

Principal
Dayanand College
HISAR

Tentative Dates	Topics
20 Dec. to 24 Dec. 2021	Life Cycle & Pathogenicity of *Entamoeba histolytica*, *Wucherraria bancrofti* and Doubt Session
25 Dec. 2021	Holiday
26 Dec. 2021	Sunday
27 Dec. to 01 Jan. 2022	Life Cycle & Pathogenicity of *Trypanosoma gambiense*, *Ancylostoma duodenale*
02 Jan. 2022	Sunday
03 Jan. to 08 Jan. 2022	General Introduction regarding Syllabus
	Biology, Control & Damage Caused by *Helicoverpa armigera*, *Pyrilla perpusilla*, *Papillio demoleus*, *Collosobruchus chinensis*, *Sitophilus oryzae*, *Tribolium castaneum*
9 Jan. 2022	Sunday
10 Jan. to 15 Jan. 2022	Cattle Farming: Breeds of Dairy Cattle, Artificial Insemination, Induction of Early Puberty, Estrous Synchronization, Cross Breeding
	Visit to Cattle Farm
	Unit Test II and Assignment II
16 Jan. 2022	Sunday
17 Jan. to 22 Jan 2022	Medical Importance & Control of *Pediculus humanus corporis*, *Anopheles*, *Culex* & *Aedes*, *Xenopsylla cheopsis* and Doubt Session
	Breeds of Poultry Farming and Cross Breeds of

Teacher Incharge
Department of Zoology
Dayanand College,

Principal
Dayanand

	Fowls
23 Jan. 2021	Sunday
24 Jan. to 25 Jan. 2022	Management of Poultry Breed Stock & Broilers, Processing & Preservation of Eggs,
26 Jan. 2022	Holiday
27 Jan. to 29 Jan. 2022	General Introduction of Aquaculture, Genetic Improvement of Aquaculture Industry, Induced Breeding of Carps
30 Jan. 2022	Sunday
31 Jan. 2022	Introduction and Transportation of Fish Seeds

Dr. Vivek Srivastava
Head of Department

Dr. Meenakshi Gupta
Assistant Professor

LESSON PLAN

Name of the Assistant Prof. : Preeti

Class and Section : B.A (1ˢᵗ Sem) C

Subject : Music Vocal (MUSV 101)

Lesson Plan : From Dec.2021 to Feb.2022

Dec.2021
• Introduction to music and importance in music of our life
• Importance of swars n music
• Alankars in music and notation of national anthem
• Notation of Raag Aasawari
• Detailed study of Raag Aasawari
• Pattern of Teen-taal with Thekas
• Definiton of Dhawni , Nad , Vadi , Samvadi , Anuvadi and uses in music

Jan.2022
• Parts of Tanpura
• Detailed study of Tanpura with diagram (Assignment)
• Definition of Matra , Vibhag , Khali etc.

Feb.2022
• Notation of Raag Bhupali
• Nation of Drut khayal in Raag Bhupali and Aasawari in Teen –taal
• Detailed knowledge of Sangeet Ratnakar
Test and Revision

LESSON PLAN

Name of the Assistant Prof. : Preeti

Class and Section : B.A 3rd (5th Sem) C

Subject : Music Vocal (MUSV 301)

Lesson Plan : From Dec.2021 to Feb.2022

Dec.2021
• Introduction to raag bhimpalasi
• Detailed description of raag bhimpalasi
• Tal dhamar with dugun , tigun and chaugun layakaries
• Thekas of tal suttal with dugun tigun layakaries
• Origin and development of notation system
• Merits and demerits of notation system
• Introduction of lalit kala in music
Class test and Assignment

Jan.2022
• Introduction of time theory of ragas and importance of time
• Detailed study of the time theory of ragas
Lalit kalaon me sangeet ka sthan

Feb.2022
• Contribution of Acharya K.C.D. Brihaspati in music
• Contribution of P.T Vinayak Rao Patwardhan and Lal Mani Mishra in music
• Raga Bhimpalasi with teen taal
Test and Revision

LESSON PLAN

Name of Assistant Prof. : Preeti

Class and Section : B.A. 2nd (3rd Sem.)F

Subject : Music Vocal (MSUV 201)

Lesson Plan : From Dec.2021 to Feb.2022

Dec.2021
• Introduction of Raag Malkauns with their importance
• Detailed description of Raag Malkauns
• Thekas of Deepchandi tal with dugun and chaugun
• Detailed study of Khayal , Thumri and tappa
• Shorts notes of Avirbhav , Tpobhav , Nayak – Nayaki and jatie of Ragas

Jan.2022
• Importance of film music
• Importance of classical music
• Detailed study of Raga Jai-jaiwanti
• Thekas of Ada chautal with dugun and chaugun

Feb.2022
• Role of film music in popularizing classical music
• Contribution of shrimati Amanker kishori in music
• Contribution of Ustad bade gulam alikhan in music
Test and Revision

Incharge
Dept - Of music