Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .I..(P.G.)   Subject ..Linguistics.. Lecturer Name ...Dr. Shakuntala

Course objectives .Students. will. learn !
Basic Concepts of Linguistic, Phonology
Enhance Accent and Phonetic .

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of the Syllabus and brief introduction to each topic	Bilingual Method Online Source
04 Aug to 09 Aug	Introduction of Linguistics and its branches and Phonetics	PDF Notes, Online Links Bilingual Method
11 Aug to 14 Aug	Phonetics and Segmental Phonology, Organs of Speech	PDF Notes Lecture Method
18 Aug to 23 Aug	Speech Mechanism and R.P	Lecture method Online Source
25 Aug to 30 Aug	Three-Term Label and detailed description, Syllable and its structure	Bilingual method PDF Notes Online Sources
01 Sept to 06 Sept	Phonology : Supra -Segmental Features of English	''
08 Sept to 13 Sept	Word Accent, weak and Strong forms, Form and Content words	''
15 Sept to 20 Sept	Morphology	''

Week	Topics	Methodology
22 Sept to 27 Sept	Other methods of Word Formation, Morphological Analysis of English Words	Lecture Method
29 Sept to 04 Oct	Syntax	Lecture Method PDF Notes
06 Oct to 11 Oct	Verb Patterns (Finite and Non-Finite	"
13 Oct to 18 Oct	Revision of Unit-I	"
19 Oct to 26 Oct	Diwali Break Syllabus of House Test	Lecture Meth
27 Oct to 01 Nov	House Test	—
03 Nov to 08 Nov	Non-finite and Sentence Structure	Direct method PDF Notes online source
10 Nov to 15 Nov	Revision of Unit-II	Bilingual method
17 Nov to 22 Nov	Revision of Unit-III	Bilingual method
24 Nov to 01 Dec	Previous Years QP Final Revision of All Important Q/A	Bilingual method

Reference Books:-

Sujata

Lecturer

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem MA 1st ..... Subject Fundamentals Lecturer Name Ms. Nancy as lavisha

Course objectives Develop an understanding of the fundamental elements of literature like some, plot, genre, historical period and cultivate an aesthetic taste for literature.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug 21st Aug	Introduction to Course title Fundamentals of literature. Then begin with the unit 1 and explained objective of literature	Lecture method
25 Aug to 30 Aug	Explained form and content and literature and language	Elaborative method
01 Sept to 06 Sept	Introduced the topic literature and History, literature and films in detail	Lecture method
08 Sept to 13 Sept	Detailed the topics such as reader as critic, Popular Culture and literature and relation between performative and literary Art	explanation thoroughly
15 Sept to 20 Sept	Doubt Clearing and Introduced the next unit author/critic Terry Eagleton and give a over view	Interaction method

Week	Topics	Methodology
22 Sept to 27 Sept	Introduced the genre of poetry and reading of text and importance of [sound] and rhythm in poetry	Interaction method.
29 Sept to 04 Oct	Understanding the different poetic forms and important elements of poetry like imagery, metaphor and simile	Lecture + Interaction
06 Oct to 11 Oct	A holistic approach to poetic analysis and differentiate between poet and speaker	Analytical method
13 Oct to 18 Oct	Doubt clearing and introduced next unit and its author Orhan Pamuk and given a overview of the text	Lecture method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Discussed how Pamuk argued that the true power of the novel lies in the reader's ability to create a separate virtual world	Lecture + Interaction
10 Nov to 15 Nov	The Naive and Sentimental topic discussed	Lecture method.
17 Nov to 22 Nov	Unit - IV. Introduction to the author-Bharat muni and his dramaturgy work Natyashastra [Ch VI & VII]	Lecture method
24 Nov to 01 Dec	Reference of aristotle poetics and then discussed Rasa theory and reading of the text 6 Sentiments	Lecture + Interaction
Reference Books:-	Authentic text of particular unit + Authentic notes	

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem M.A. I   Subject British Drama   Lecturer Name Muskan Panwar

Course objectives To evaluate dramatic Technique in different drama and in different ages; to analyse Historical context, cultural context. to develop understanding of English Drama.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug 21 Aug	Introduction to British Drama detailed lecture on origin of Drama and Early Drama	Lecture, Discussion
25 Aug to 30 Aug	Introduction to christop-her Mallowe and Backgro-und History of Elizabethan age and stage Drama	Lecture with examples, comparative chart
01 Sept to 06 Sept	Transition from Medieval to Renaissance Drama. Doctor Faustus - Themes, (Ambition, Sin etc)	Textual Analysis, close Reading
08 Sept to 13 Sept	Doctor Faustus - Dramatic Techniques, Soliloquy, Allego-ry, Tragedy,	Lecture, Textual examples
15 Sept to 20 Sept	Test, Shakespeare: Backgro-und to Tragedy, Introduction to King Lear, Themes	Lecture

Week	Topics	Methodology
22 Sept to 27 Sept	King Lear structure, Detailed analysis of Plot, Textual reading reading	Lecture, chalk-Board
29 Sept to 04 Oct	Detailed Lecture on Non-Detailed study, Lecture on John webster and Revenge study, Ben Johnson	Lecture, comparative study
06 Oct to 11 Oct	Ben Johnson – comedy of Humour (Theory & examples) Introduction to Restoration comedy	Lecture, Textual Reference
13 Oct to 18 Oct	social & Theorical conventions of Restoration comedy, william wychereley's "The country wife" Themes and Satire.	Lecture, Discussion
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	"The way of the world" – Introduction to william Congreve. and overview of Drama.	Lecture, Discussion
10 Nov to 15 Nov	Themes, structure and plot – Detailed study	chalk and Board Technique
17 Nov to 22 Nov	Dramatic Techniques, comedy of Manners	Textual Study, Lecture
24 Nov to 01 Dec	Revision of King Lear, Doctor Faustus, The way of the world and non-Detailed study	Oral + written, lecture

Reference Books:- Research Paper
Authentic Text-
Notes

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem Ist (MA-I) Subject British Poetry (from Chaucer to Pre-Romantic Period) Lecturer Name Ms. Anju Rani, Ms. Muskan Panwar.

Course objectives to analyze and interpret the poetic works of writers form the Age of Chaucer to the Puritan Age. [25ENG7102] their contribution to English literature. Engage in critical discussion, analysis, interpretation and evaluation of the selected poems on the basis of close readings & textual evidence.

Week	Topics	Methodology	
01 Aug - 2 Aug			
04 Aug to 09 Aug			
11 Aug to 14 Aug			
18 Aug to 23 Aug	Introduction to the Paper & Ages of British literature from Chaucer to Pre-romantic Period. Brief Introduction to Unit-I writers.	Chalk & Board Method	
25 Aug to 30 Aug	Detail discussion on the writers William Langland and Wyatt & Surrey, their literary contribution in the history their literary style and major works.	Chalk & Board Method	
01 Sept to 06 Sept	Detailed lecture on the writers Shakespeare & Spenser, their literary contribution in the history their literary style and major works.	Chalk & Board Method	
08 Sept to 13 Sept	Detailed lecture on the writers Blake, Alexander Pope, their literary contribution in the history their literary style and major works.	Chalk & Board Method	
15 Sept to 20 Sept	Detailed lecture on the writers Thomas Gray and Dryden, their literary contribution in the history & their literary style & major works.	Chalk & Board Method	

Week	Topics	Methodology
22 Sept to 27 Sept	Introduction to the Writer "Geoffrey Chaucer", his literary contribution in his Age & writing style and historical background.	lecture Method
29 Sept to 04 Oct	Detailed lecture on the "Prologue" to The Canterbury Tales. Analysis The key points of the Prologue.	lecture Method
06 Oct to 11 Oct	Brief overview to the Stories in the Canterbury Tales. Detailed analysis of the every important fact of this masterpiece	Explanation Method
13 Oct to 18 Oct	Discussion on the Question-Answers of 'The Prologue to Canterbury Tales." Narration of the story by a student	explanation Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test.	
03 Nov to 08 Nov	Introduction to John Milton and his literary period. line to line explanation of the poem "Paradise Lost Book-I " Discussion on The Question Answer	lecture Method
10 Nov to 15 Nov	Introducted to Metaphysical Poetry. line by line explanation "Canonization" and "A Valediction Forbidding Mourning"	Explanation Method
17 Nov to 22 Nov	line by line explanation "to his coy mistress." and The Writer Andrew Marvell Discussion on the Question-Answers of these poems.	lecture Method
24 Nov to 01 Dec	- line by line explanation of the poem of Henry Vaughan. - line by line explanation of the poems of Alexander Pope. - Questions-Answers of these poems. - Revision of the complete Syllabus	lecture Method

Reference Books:- Research Papers. Authentic texts. Notes -

Anija
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem MA. Ist Ist Sem   Subject Indian writing in English-I   Lecturer Name Lavika Sharma

Course objectives• TO Develop an understanding of the evolution of the Indian Literature in English to English language. • To Analyze the literary elements of the Indian writings prescribed in the syllabus.

Week	Topics	Methodology
01 Aug - 2 Aug	—	
04 Aug to 09 Aug	—	
11 Aug to 14 Aug	—	
18 Aug to 23 Aug 21st Aug.	Unit - I. Introduction to Toru Dutt, Sri Aurobindo, Rabindranath Tagore, Henry louis, vivian Derozio.	Lecture method.
25 Aug to 30 Aug	Explained in Detail about Sarojini Naidu, Raja Rao, Mulk Raj Anand, R.K Narayan, G.V. Desani, Arun Joshi...	Explaination
01 Sept to 06 Sept	Detailed Introduction to Kamala Markandaya, V.S Naipaul, Chaman Nahal, Bhisham Sahni.	Lecture.
08 Sept to 13 Sept	Unit - I & II Doubt clearing and Test Sessions. Introduction to Savitri (Book I) and characters.	lecture.
15 Sept to 20 Sept	Unit - II Detailed study of Test Savitri (Book I)	Discussion.

Week	Topics	Methodology
22 Sept to 27 Sept	Doubt clearing and Discussed Q+Ans of Savitri	Discussion.
29 Sept to 04 Oct	Unit – III Introduction to A Bend in the Ganges & its characters.	Lecture method
06 Oct to 11 Oct	Detailed study of Text 'A Bend in the Ganges"	Explaination,
13 Oct to 18 Oct	Unit – III & IV. Doubt clearing session & Q+Ans discussed. Introduction to Chandalika.	lecture.
19 Oct to 25 Oct	Diwali Break	—
27 Oct to 01 Nov	House Test.	—
03 Nov to 08 Nov	Unit – IV Detailed study of "Chandalika".	Lecture.
10 Nov to 15 Nov	Unit – IV. Discussed Q+Ans and Doubt Session.	Discussion
17 Nov to 22 Nov	Unit – I & II Revision.	Discussion
24 Nov to 01 Dec	Unit – III & IV Revision.	Discussion

Reference Books:- Modern Indian Poetry In English, Kamla Das and Her Poetry, Khushwant Sings A critical study of His Novels.

Lecturer Lavisha Sharma.

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. II 3rd sem Subject Literary criticism & Theory II Lecturer Name Lavisha Sharma

Course objectives To Develop an understanding of fundamental principles of literary theory and criticism.
• To Develop an acquaintance with various theoretical and critical frameworks up to early 20th century.

Week	Topics	Methodology
01 Aug - 2 Aug		—
04 Aug to 09 Aug	—	—
11 Aug to 14 Aug	—	—
18 Aug to 23 Aug 21st Aug.	Unit - I. Introduction & Detailed Study of Mikhail Bakhtin's "From the Prehistory of Novelistic Discourse"	Explaination.
25 Aug to 30 Aug	Unit - I Disussed "Art as Technique"	Discussion & lecture.
01 Sept to 06 Sept	Unit - II Detailed Study of Ferdinand De Saussure's "Nature of linguistic sign".	Lecture
08 Sept to 13 Sept	Detailed Study of "The Death of the Author" by Roland Barthes.	Discussion & Lecture.
15 Sept to 20 Sept	Discussed Q+ Ans of Unit-II and Doubt Clearing Session.	Lecture

Week	Topics	Methodology
22 Sept to 27 Sept	<u>Unit – III</u> Detailed discussion on Elaine Showalter's "Feminist Criticism in Wilderness".	Lecture.
29 Sept to 04 Oct	Detailed discussion on "From Parody to Politics"	Lecture. & Discussion.
06 Oct to 11 Oct	<u>Unit – III</u> Test, Discussed Qt Ans and Doubt clearing session.	Discussion
13 Oct to 18 Oct	<u>Unit – I</u> Discussed Qt Ans of Unit I and Doubt clearing session	Discussion.
19 Oct to 26 Oct	Diwali Break	—
27 Oct to 01 Nov	House Test.	—
03 Nov to 08 Nov	<u>Unit – IV</u> Detailed discussion on Edward Said and "Introduction to Orientalism"	Lecture.
10 Nov to 15 Nov	Detailed study of chapter 1 "The Negro and language" from Black skin and white masks".	Discussion & Lecture
17 Nov to 22 Nov	Revision of Unit – I & II.	Discussion
24 Nov to 01 Dec	Revision of Unit III & IV.	Discussion.

Reference Books:- Routledge, 2003, Literary Theory: The Basics, Routledge, 2013. Jacques Derrida. Routledge, 2015.

Lecturer: Lavisha Sharma.

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem IIIrd (M.A) Subject English   Lecturer Name Ms. Anju Rani

Course objectives to develop Poetry-III [23 EN 4301] in the poetry of these poets the ability to identify and explain the major themes and motifs Related to human life and human behaviour. Engage in critical discussions, analysis, interpretation and evaluation of close reading and textual analysis of the selected poem on the basis

Week	Topics	Methodology	
01 Aug – 2 Aug			
04 Aug to 09 Aug			
11 Aug to 14 Aug			
18 Aug to 23 Aug	Discussion on the poetic works of writers from the Victorian Age to the Postmodern Age. Analysis of the social, historical and cultural context of these works.	Chalk & Board Method	
25 Aug to 30 Aug	Introduction to the writer Robert Browning. line by line explanation of the poem "My Last duchess"	Explanation Method	
01 Sept to 06 Sept	Line by line explanation of the poem "My The Last ride together" line by line explanation of the remaining part of the poem.	explanation Method	
08 Sept to 13 Sept	line by line explanation of the Poem "The Patriot." Discussion on the Question-Answers of the poem & Analysis	lecture Method	
15 Sept to 20 Sept	Introduction to the writer W.B Yeats. line by line explanation of the poem "The second coming"	Explanation Method	

Week	Topics	Methodology
22 Sept to 27 Sept	line by line explanation of the poem "Sailing to Byzantium". line by line explanation of the poem "A Prayer for My daughter"	explanation method
29 Sept to 04 Oct	Discussion on the Question Answers of these poems & Analysis of the key points of the poem	Lecture Method
06 Oct to 11 Oct	Introduction to the writer W. H Aude line by line explanation of the poem "Partition." line by line explanation of the Poem "The Unknown Citizen."	explanation Method
13 Oct to 18 Oct	Discussion on the Question-answer of these poems Analysis of the Key points of the poem Introduction to the writer Mathew Arnold "The Scholar Gypsy" line by line explanation.	lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Introduction to the writer T.S. Eliot and his literary Period. line by line explanation of the poem "The Wasteland." →line by line explanation of the primary poem	explanation Method.
10 Nov to 15 Nov	→ Analysis of the poem with deep insights. → Discussion on the Question answer of the poem.	lecture Method.
17 Nov to 23 Nov	Introduction to the writer Lord Alfred Tennyson and his literary Period. line by line explanation of the poem "The Princess."	lecture Method
24 Nov to 30 Dec	line by line explanation of these primary poem. Discussion on the Question answer of the poem Revision of the complete syllabus	lecture Method.

Reference Books:-
Authentic texts.
Research Papers.
Notes.

Lecturer

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem. M.A-II 3rd ..... Subject English Fiction III Lecturer Name ...Mr. Nancy

Course objectives Analyze and interpret the works of writers from the victorian Age to Postmodern Age Examine the social, historical and cultural contexts in which these works were written and unell central thinking.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug 21st Aug	Introduce the course, syllabus and assessment methods. Provide a brief historical context of the Romantic and Gothic periods.	Lecture + class discussion
25 Aug to 30 Aug	Brief biography of Emily Bronte and begin reading the novel	Close reading
01 Sept to 06 Sept	Narrative structure and Character Analysis	Interactive method
08 Sept to 13 Sept	Significance of the title Wuthering Heights and themes of Nature Vs. Culture & Social class	Class Discussion
15 Sept to 20 Sept	Review and Doubt Clearing	Q & A method

Week	Topics	Methodology
22 Sept to 27 Sept	Introduction to the Victorian Social Commentary and give a brief over view regarding Hard time	Interactive method
29 Sept to 04 Oct	A Brief Reading of the novel and analyse the Characters as per according theme	Reading + Explanation
06 Oct to 11 Oct	Symbolism and style of the novel (e.g. Gradgrind Bounderby and place(Coketown)	[elaborative method] Reference through practical life
13 Oct to 18 Oct	Introduction to the novelist Thomas Hardy and his pessimistic approach and his pastoral vision	Lecture method
20 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Home test	
03 Nov to 08 Nov	Discussed the characters especially Tess and her fate throughout the novel	Interactive method
10 Nov to 15 Nov	Some important themes such as fate vs free will moral hypocrisy and took the doubt session	Group discussion
17 Nov to 22 Nov	Introduction to psychoanalysis and also D.H. Lawrence and give an overview of the novel.	Lecture method
24 Nov to 01 Dec	Freudian analysis and character study and the use of symbolism in sons and lovers	Comparative method

Reference Books:-
Text of the Novels and authentic notes and research papers

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. III.   Subject Seminar   Lecturer Name Muskan Panwar

Course objectives To enhance student's presentation, communication and organisational abilities. To cultivate confidence in public speaking.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug 21 Aug	Introduction to Seminar Orientation & Scheme of Evaluation	Lecture, Discussion
25 Aug to 30 Aug	Guidelines for Seminar Topics	Lecture & Interaction
01 Sept to 06 Sept	Discuss - How to prepare Seminar (Structure, PPT, Research)	Demonstration & Guidance
08 Sept to 13 Sept	Topic Selection & Consultation.	Individual Interaction
15 Sept to 20 Sept	Customization in Topics and Modification	Individual Interaction and Discussion

Week	Topics	Methodology
22 Sept to 27 Sept	Topic Selection of Remaining Students and customiza-tion.	Discussion
29 Sept to 04 Oct	Preparation of Powerpoint Slides	Lecture, Demo
06 Oct to 11 Oct	Customising slides, Editing	Individual Interaction
13 Oct to 18 Oct	Doubt sessions, final Presentation of PPT	Discussion
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Class Mock, Test - Group I	
10 Nov to 15 Nov	Class Mock Test Group II	
17 Nov to 22 Nov	collecting/receiving PPT's through email	
24 Nov to 01 Dec	Doubt Session, Discussion	Lecture

Reference Books:- Research Papers, Authentic Text

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A.II (III)   Subject Drama...   Lecturer Name Dr. Shakuntala

Course objectives Students will learn About Drama and its impact on Society Different type of Ages and the different ways of writing style.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of Syllabus and brief Introduction of Drama	Lecture Method
04 Aug to 09 Aug	Unit-I Arms And the Man Introduction and About the Author.	Lecture Methods PDF Notes Online Sources
11 Aug to 14 Aug	Explanation of the text with References and online Sources	Explanation method Bilingual PDF Notes
18 Aug to 23 Aug	Act-wise Summary of the text	"
25 Aug to 30 Aug	Discussion of Important Q/ns of the text	Lecture Method and Bilingual Method
01 Sept to 06 Sept	Unit-II Waiting for Godot Introduction and About the author	"
08 Sept to 13 Sept	Explanation of text	"
15 Sept to 20 Sept	Act wise text Summary and Important Q/ns of Unit-2	Lecture Method

Week	Topics	Methodology
22 Sept to 27 Sept	Unit-III Rosencrantz and Guildenstern are Dead by Tom Stoppard	Lecture method
29 Sept to 04 Oct	Explanation of Text and References	Lecture Method Online Source
06 Oct to 11 Oct	Act-wise Summary and Q1 va Discussion	Lecture Method Online Source
13 Oct to 18 Oct	Revision of Unit-I and Unit-II	Lecture Method Online source
19 Oct to 26 Oct	Divali Break Home Assignments and Syllabus of House Test as a Homework.	Lecture Method Online Source
27 Oct to 01 Nov	House Tests	Lecture Method PDF Notes
03 Nov to 08 Nov	Harjog Unit -4 Introduction of the Author	Lecture Method PDP Notes
10 Nov to 15 Nov	Explanation of the text Going on	Lecture Method PDP Notes
17 Nov to 22 Nov	Explanation of Summary and Imp. Q1 vA	Lecture Method PDP MvL
24 Nov to 01 Dec	Revision of All important Q1 vA of the whole sy	Explanation method

Reference Books:- Text Books
Online Sources

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani

Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem. IIIrd (M.A.) Subject Post colonial Literature Lecturer Name Ms. Anju Rani

Course objectives ....[23ENG1305(B)]

Be Acquainted students with the key theoretical concepts of Post-colonial literature.
Familiar with the representative literary works and authors of the genre.
Critically analyze various texts prescribed in the syllabus through various Theories.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction to Postcolonial literature. Detailed lecture on the key theoretical concepts of Post. col. literature	Chalk & Board Method
25 Aug to 30 Aug	Detailed lecture on the remainy key theoretical concepts of Post colonial literature.	Lecture Method
01 Sept to 06 Sept	Introduction to representative literary works and authors of the genre. Detailed lecture on socio-historic conditions of these literary works.	Lecture Method
08 Sept to 13 Sept	Introduction to Aphra Behn and her literary Period. Detailed lecture on the novel "Oroonoko"	Lecture Method
15 Sept to 20 Sept	Detailed Analysis of the novel in reference to Post colonial literature. Narration of the story by a student (Activity)	Narration Method.

Week	Topics	Methodology
22 Sept to 27 Sept	Discussion on the important points of the novel. Discuss the Question-Answer of the novel & Quotations	Lecture Method
29 Sept to 04 Oct	Introduction to the writer Chinua Achebe and his literary Period. Detailed lecture on the novel "They fall Apart"	Chalk & Board Method
06 Oct to 11 Oct	Detailed Analysis of the novel in content to Post-colonialism Narration of the story of the novel by a student (Activity)	Narration Method
13 Oct to 18 Oct	Discussion on the important points of the novel. Discussion on the Question-Answers of the novel & Quotation	Lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test.	
03 Nov to 08 Nov	Introduction to the writer Joseph Conrad and his literary Period. Detailed lecture on the novel "Heart of darkness"	Lecture Method
10 Nov to 15 Nov	Detailed analysis of the novel. in content to Post colonial literature. Narration of the story of the novel by a student (Activity)	Narration Method
17 Nov to 22 Nov	Discussion on the important points of the novel. Discussion on the Question-Answer of the novel & Quotations.	Lecture Method
24 Nov to 6 Dec	Introduction to the writer Salman Rushdie & his literary Period. Detailed Analysis of the novel "Midnight Children & Question-Answer. Revision of the complete syllabus.	Lecture Method.

Reference Books :- Research Papers.
Authentic texts
Notes.

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem III., PG-II   Subject American Literature   Lecturer Name Dr. Shakuntala

Course objectives Students will learn;
About the American Literature and its literary trends
About the Socio-cultural Impact on the Society and Literature

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of the whole Syllabus and brief introduction of the each topics	
04 Aug to 09 Aug	Walt Whitman's Poetry and Introduction of American Literature	
11 Aug to 14 Aug	I Celebrate Myself Explanation Summary and Q/A	
18 Aug to 23 Aug	O, Captain My Captain! Explanation, Summary and Q/A of Previous Years.	
25 Aug to 30 Aug	"Passage to India" Explanation Summary and Important Q/A	
01 Sept to 06 Sept	Robert Frost; Introduction as a Poet and Explanation of Design	
08 Sept to 13 Sept	The Road Not Taken and Two Tramps in Mud Time; Explanation and Q/A	
15 Sept to 20 Sept	A Farewell to Arms Explanation, Summary Imp. Q/A.	

Week	Topics	Methodology
22 Sept to 27 Sept	A Fairwell to Arms by Earnest Hemingway Continue	Lecture method Online Sources
29 Sept to 04 Oct	A Fairwell to Arms finished Who is Afraid of Virginia Woolf Introduction	Bi-lingual Method PDF Note
06 Oct to 11 Oct	Edward Albee's Who is afraid of Virginia Woolf.	Lecture Method Online Linku
13 Oct to 18 Oct	Revision of Unit III and II	Lecture Method Online Source
19 Oct to 26 Oct	Diwali Break Syllabus of House Test as a Homework and Assignments	Lecture Method
27 Oct to 01 Nov	House Test	1)
03 Nov to 08 Nov	Unit IV House Made of Dawn by M. Scott Momaday	1)
10 Nov to 15 Nov	Explanation of Text	Lecture method PDF Notes Online Source
17 Nov to 22 Nov	Explanation of Summary and Q/A	Online Source Lecture Methods
24 Nov to 01 Dec	Revision of All Important Q/A based on Previous Years. Final discussion on Paper Presentation.	Lecture Methods

Reference Books:- text books,
Lit, chart and spark notes
PDF Notes
Lecturer Syeda

HOD

ECONOMICS
Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

M.A. Economics

Class with Sem ..Ist.....   Subject Micro Economic Analysis I   Lecturer Name .Ms. Ravina Soni

Course objectives .The course aims to provide students with a deep understanding of microeconomic principles, demand and supply analysis and analyze real-world economic problems.

Week	Topics	Methodology
01 Aug - 2 Aug	Production function, Law of Production (variable proportions and returns to scale with help of Iso-quants)	chalk & Board
04 Aug to 09 Aug	Technical progress and Production function, equilibrium of the single product firm	'
11 Aug to 14 Aug	Theories of costs and various cost curves, Analysis of Economies of scale.	'
18 Aug to 23 Aug	Doubts + Revision + Test of IInd unit.	'
25 Aug to 30 Aug	Indifference curve approach - Hicks & slutsky - Price, Income & substitution effects.	'
01 Sept to 06 Sept	Revealed preference Theory, Consumer's surplus and its applications.	'
08 Sept to 13 Sept	Elasticity of demand and elasticity of supply. Linear expenditure system	'
15 Sept to 20 Sept	Doubts + Revision + Test of Ist Unit.	'

Week	Topics	Methodology
22 Sept to 27 Sept	Perfect competition - short & Long-run equilibrium of the firm & Industry.	Chalk & Board
29 Sept to 04 Oct	Dynamic changes and Industry equilibrium, Monopoly, Price discrimination	''
06 Oct to 11 Oct	Monopolistic competition - Chamberlin's approach to equilibrium of the firm.	''
13 Oct to 18 Oct	Doubts + Revision + Test of Unit- I, II & III	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Non- collusive Models - cournot, Bertrand, stackelberg chamberlin, Kinked-demand curve	''
10 Nov to 15 Nov	collusive Models - Cartels - (Joint profit Maximization and market sharing)	''
17 Nov to 22 Nov	Price leadership models (Low cost firm, Dominant firm and Barometric price leader)	''
24 Nov to 01 Dec	Doubts + Revision + Test of all units for final exams.	''

Reference Books:- H. L. Ahuja, Modern Micro economics.
Archibald, G.C, Theory of the firms

Ravina Soni
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A.Iyr.(I sem) Subject ....Macroeconomics. Lecturer Name Ms. Neeraja Parmar

Course objectives 1. Understand classical & keynesian theories of output and employment analyse their differences, and assess their role in economic fluctuations.
2. Explaining the behaviour of macroeconomic variables by identifying and understanding the extended model.

Week	Topics	Methodology
01 Aug - 2 Aug	Classical Approach - Output and Employment in Classical Theory.	chalk and Board
04 Aug to 09 Aug	The Quantity Theory of Money. and the Price level, Classical Model without saving and investment.	,,
11 Aug to 14 Aug	Classical Model with saving and investment, keynesian Approach- Two Sector model.	,,
18 Aug to 23 Aug	Keynesian Approach - Three Sector Model, and Four Sector model.	,,
25 Aug to 30 Aug	The Extended Model under Fixed Price level - The Goods Market and the Money Market.	,,
01 Sept to 06 Sept	IS-LM framework and Equilibrium in Goods Market and Money Market	,,
08 Sept to 13 Sept	Effect of Changes in Government Spending Taxation and Aggregate demand on General Equilibrium.	,,
15 Sept to 20 Sept	The Extended Model under Variable Price level- Derivation of Aggregate Demand Curve.	,,

Week	Topics	Methodology
22 Sept to 27 Sept	The Extended Model under Variable Price level – determination of equilibrium price and output levels.	chalk and Board
29 Sept to 04 Oct	Wage – price flexibility and the Full employment equilibrium.	,,
06 Oct to 11 Oct	Interest rate effect and Pigou Effect	,,
13 Oct to 18 Oct	Monetary – Fiscal policy analysis In IS - LM Model.	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	,,
03 Nov to 08 Nov	The Absolute Income Hypothesis, The Relative Income Hypothesis	,,
10 Nov to 15 Nov	The Permanent Income Theory of Consumption; The life cycle theory of consumption.	,,
17 Nov to 22 Nov	The Marginal Efficiency of Capital Approach, The accelerator theory; Profits Theory.	,,
24 Nov to 01 Dec	Jorgenson' Neoclassical Model, Adjustment costs and q theory.	,,

Reference Books:- Macroeconomics theory and Policy by H.L. Ahuja.

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. Iyr (I Sem) Subject Statistics for Economists   Lecturer Name Dr. Renu & Ms. Neenya Parmar.

Course objectives 1. Analyze various data types and sampling techniques proficiency.
2. Choose and apply appropriate non parametric tests based on data characteristics with confidence.

Week	Topics	Methodology
01 Aug - 2 Aug	Measures of Central Tendency - (Individual, Discrete Mean and Continuous Series)	Chalk and Board
04 Aug to 09 Aug	Measures of Central Tendency - Median, Mode. (Individual, Discrete and Continuous Series)	"
11 Aug to 14 Aug	Dispersion - Range, Variance, Standard deviation, Quartiles, quartile deviation, mean deviation	"
18 Aug to 23 Aug	Correlation - Karl Pearson's Coefficient of Correlation, Spearmen's Rank Correlation Coefficient, Concurrent Deviation Method, Coefficient of Determination, Probable Error and Standard Error	"
25 Aug to 30 Aug	Regression Analysis - Regression Unes (Regression Eg. of Y on X and Regression Eg of X on Y, In Grouped Frequency Distribution, Regression Coefficients, Standard Error	"
01 Sept to 06 Sept	Probability theory	"
08 Sept to 13 Sept	Probability distribution. - Bionomial, Poisson and Normal distribution.	"
15 Sept to 20 Sept	Introduction to Hypothesis Testing: Basic Concepts, Null and Alternate Hypotheses, Type I and Type II errors, Significance level	"

Week	Topics	Methodology
22 Sept to 27 Sept	P-Values, Critical Regions, Steps involved in Hypothesis Testing	Chalk and Board.
29 Sept to 04 Oct	Nyman- Pearson Lemma.	"
06 Oct to 11 Oct	Common Parametric Tests - z test, t-test	"
13 Oct to 18 Oct	Common Parametric Tests - F-test, ANOVA.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test.	
03 Nov to 08 Nov	Introduction to non-parametric tests and their advantages Hi Square test.	"
10 Nov to 15 Nov	Mann-Whitney U test, Wilcoxon signed- rank test,	"
17 Nov to 22 Nov	Kruskal- Wall's test, Friedman Test and Kendall's Tau Test	"
24 Nov to 01 Dec	Choosing between parametric and non-parametric tests based on data characteristics	"

Reference Books:- Statistical Methods , VK Publications
(T.R Jain, S.C. Aggarwal)

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A.I yr. (I Sem) Subject Economics of Growth and Development I Lecturer Name Dr. Renu

Course objectives 1. To distinguish between the concepts of growth and development.
2. To understand aggregate models of growth and cross national comparison of the growth.

Week	Topics	Methodology
01 Aug - 2 Aug	Meaning and measurement of economic development	chalk and Board
04 Aug to 09 Aug	Economic growth and development, economic development and welfare, meaning of economic under development	"
11 Aug to 14 Aug	Characteristic of under developed economies, vicious circle of poverty, measurement of development	"
18 Aug to 23 Aug	Conventional, human development index, and quality of life Indices, concept of sustainable development.	"
25 Aug to 30 Aug	The Big push theory, critical minimum effort thesis, stages of economic growth,	"
01 Sept to 06 Sept	concept of take off into self-sustained growth, balanced verus unbalanced growth, Balanced growth	"
08 Sept to 13 Sept	Unbalanced growth, Malthus Theory of population, factors in economic development	"
15 Sept to 20 Sept	Theories of development: Lewis Model, Renis-fei Model	"

Week	Topics	Methodology
22 Sept to 27 Sept	Neo-classical model of economic growth; short run versus long run, three determinant of growth	Chalk and Board.
29 Sept to 04 Oct	Basic growth equation, conditions for steady state growth.	''
06 Oct to 11 Oct	Stability of steady state growth, sources of growth.	''
13 Oct to 18 Oct	technical progress and neutrality of technical change	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test.	
03 Nov to 08 Nov	Economic development and planning models: meaning of economic planning.	''
10 Nov to 15 Nov	Planning versus price mechanism, main elements of plan and plan models.	''
17 Nov to 22 Nov	Harrod – Domar model	''
24 Nov to 01 Dec	Mahalanobis model and development plans in India.	''

Reference Books:- M.L Taneja, R.M. Myer & V.C. Sinha.

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. 1yr(1 Sem) Subject ...Indian Economic Thought... Lecturer Name Ms. Neeya Parmar

Course objectives 1. Articulate the historical development of economic thought in India.
2. Critically evaluate the contributions of major Indian economic thinkers and apply the principles of Indian economic thought contemporary economic issues.

Week	Topics	Methodology
01 Aug - 2 Aug	Ancient and Classical Indian Economic Thought: Kautilya's Arthashastra: State control over resources.	Chalk and Board
04 Aug to 09 Aug	Industry and Market	"
11 Aug to 14 Aug	Types of Taxation, Resource Management.	"
18 Aug to 23 Aug	Trade and Commerce, Wealth Creation through agriculture	"
25 Aug to 30 Aug	Industry and Public Finance, Importance of skilled labour and Development of Human Capital	"
01 Sept to 06 Sept	Environment and Development - Introduction, Economic Growth vs. Environment	"
08 Sept to 13 Sept	Environmental Degradation in India, Indian Economic Thinkers on Environment and Development	"
15 Sept to 20 Sept	Environmental Policy in India, Environment and Rural Development	"

Week	Topics	Methodology
22 Sept to 27 Sept	Thiruvalluvar's Economic Ideas: Insights of Governance.	Chalk and Board
29 Sept to 04 Oct	Wealth creation, Poverty	,,
06 Oct to 11 Oct	Agriculture and Trade, Ethical Governance	,,
13 Oct to 18 Oct	Sustainable Weath.	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Manu's Insight on Governance	,,
10 Nov to 15 Nov	Wealth creation, Lending	,,
17 Nov to 22 Nov	Interest and Ethics in Economic Transaction.	,,
24 Nov to 01 Dec	Doubts and Revision	,,

Reference Books:- B.N. Ganguli, Indian Economic Thought.

Reeja Parmar
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .3rd Sem. Subject .Public.... Lecturer Name .Ravina Soni

M.A Economics

Finance

Course objectives This course makes students to examine the efficiency & equity implications of taxation & public expenditure & critically evaluate public policies & their impact on economic outcomes.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of the Syllabus + Definition & Scope of Public Economics	Chalk & Board
04 Aug to 09 Aug	Market failure & Role of Government, Public Goods & Externalities	"
11 Aug to 14 Aug	Principles of Taxation, Public Economics & Welfare Analysis	"
18 Aug to 23 Aug	Doubts + Revision of Unit I + Test	"
25 Aug to 30 Aug	Externalities & Market Failure, Public goods Provision & Collective Action	"
01 Sept to 06 Sept	Course Analysis of Cost Benefit in Public Decision Making	"
08 Sept to 13 Sept	Public Investment & Infrastructure, Behavioural Economics & Public Policies	"
15 Sept to 20 Sept	Doubts + Revision + Test of Unit II	"

Week	Topics	Methodology
22 Sept to 27 Sept	Taxation Principles & Tax Incidents, Optimum Tax Theory & Income Redistribution	Chalk & Duster
29 Sept to 04 Oct	Taxation & labour Supply, Corporate Taxation & Economic Efficiency.	''
06 Oct to 11 Oct	International Taxation & Tax Havens	''
13 Oct to 18 Oct	Doubts + Revision + Test of Unit-I, II & III	''
19 Oct to 26 Oct	Diwali Break	''
27 Oct to 01 Nov	House Test	''
03 Nov to 08 Nov	Social Insurance & Social Welfare Programs, Economic Analysis	''
10 Nov to 15 Nov	Unemployment Insurance & Social Security Programs	''
17 Nov to 22 Nov	Means Tested Welfare Programs & Poverty	''
24 Nov to 01 Dec	Revision + Doubts + Tests of All Units for Final Exams.	''

Reference Books:- Public Economics Theory & Practice (OM Parkash)

Rashma Soni
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A.II year (III Sem) Subject Economics International I.   Lecturer Name Ms: Neenya Parmar

Course objectives .The course intends to provide a deep understanding about the broad principles and theories, which tend to govern the free of trade in goods, services and capital at the global level.

Week	Topics	Methodology
01 Aug - 2 Aug	Theories of International Trade - Scope and Need for International Economics, Inter-regional and International Trade	Chalk and Board
04 Aug to 09 Aug	Theory of Absolute Advantage, Comparative Advantage & Opportunity Cost, Mills theory of Reciprocal demand. Heckscher-Ohlin Theory of Trade.	''
11 Aug to 14 Aug	Empirical Testing of Heckscher-Ohlin, Factor Price Equalization Theorem., Kravis theory of Availability	''
18 Aug to 23 Aug	Linder theory of the Volume of Trade and Demand Pattern, Rybczynski Theorems Technical Progress and International Trade.	''
25 Aug to 30 Aug	Measurement and Distribution, factor Determining Gain from Trade.	''
01 Sept to 06 Sept	Static and Dynamic Gains from Trade, Trade as an Engine of Growth.	''
08 Sept to 13 Sept	Terms of Trade - Types and Determination of Terms of Trade	''
15 Sept to 20 Sept	Factors Affecting Terms of Trade, Terms of Trade and Economic Development,	''

Week	Topics	Methodology
22 Sept to 27 Sept	Secular Deterioration of terms of Trade its policy implication for less Developed Countries	Chalk and Board.
29 Sept to 04 Oct	Meaning and Types of Tariffs, Effects of Tariff under Partial and General Equilibrium.	"
06 Oct to 11 Oct	Effects of Tariff on Income Distribution, Tariff and Non-tariff Barriers.	"
13 Oct to 18 Oct	Quotas: Meaning and Effects of Quotas, Dumping: Types and objectives.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test. and Economic Growth and International Trade - Effect of Growth on Small Countries.	"
03 Nov to 08 Nov	Effect of Growth on Large Countries, Import Substitution Vs Export Push.	"
10 Nov to 15 Nov	Trade Liberalization - Need and Objective.	"
17 Nov to 22 Nov	Trade Liberalization Experience of Developing Countries with Special References to India.	"
24 Nov to 01 Dec	Trade and Environment : Pollution Haven Hypothesis. Revision.	"

Reference Books:- Rana & Verma

Deevja Parmor
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

M.A. Economics

Class with Sem .3rd Sem. Subject .Indian... Lecturer Name ..Dr...Renu

Course objectives..... Economy I The content of Paper lay stresses on the working and performance of different sectors of Indian Economy such as agriculture as well as Industrial sector

Week	Topics	Methodology
01 Aug - 2 Aug	State of Indian Economy since Independence, Nature & characteristics of Indian Economy.	Chalk & Board
04 Aug to 09 Aug	Planning - objectives and strategies, failures and Achievements.	"
11 Aug to 14 Aug	Economic Reforms in India, - needs, features & Impact Second Generation Reforms.	"
18 Aug to 23 Aug	Doubts + Revision + Test of unit 1	"
25 Aug to 30 Aug	Poverty - Nature, Extent estimates and policy Initiatives	"
01 Sept to 06 Sept	Unemployment- Nature, Extent, estimates and Policy Initiatives.	"
08 Sept to 13 Sept	Present challenges of Indian Economy, Price Trend and Inflation	"
15 Sept to 20 Sept	Parallel Economy Revision + Doubts + Test of 2nd unit	"

Week	Topics	Methodology
22 Sept to 27 Sept	Pattern of growth of Indian Agriculture since 1950s Green Revolution	Chalk & Board
29 Sept to 04 Oct	Land Reforms in India, Agricultural price policy in India	"
06 Oct to 11 Oct	Food Security - Problems and policy options, WTO & Indian Agriculture	"
13 Oct to 18 Oct	Doubts + Revisions + Test of Ist, IInd & IIIrd unit	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Industrial growth since Independence, Industrial policy in pre and post Reforms Period	"
10 Nov to 15 Nov	Small scale Industries and cottage Industries Issues of Privatization	"
17 Nov to 22 Nov	Industrial finance in India, National Manufacturing policy, 2011.	"
24 Nov to 01 Dec	Revision + Doubts + Tests of all units for final exams	"

Reference Books:- Misra, Puri - Indian Economy
Himalaya Publishing House, Bombay.

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ..M.A. Economics 3rd. Sem   Subject Agriculture Economics Lecturer Name .Dr... Renu

Course objectives .The... objectives is to equip students to analyses and critically assess issues, policies and programmers in these areas with emphasis on Indian Agriculture.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction to Agriculture Definition, Scope and nature of Agriculture Economics	Chalk & Board
04 Aug to 09 Aug	Role of Agriculture In Economic Development, Agriculture Markets Aims, Types & Functions	"
11 Aug to 14 Aug	Interdependence Between Agriculture & Industry, Role of AI In Agriculture operations.	"
18 Aug to 23 Aug	Doubts + Revision of Ist Unit + Test	"
25 Aug to 30 Aug	Agriculture growth in India Recent Trends in Agriculture growth in India	"
01 Sept to 06 Sept	Land Reforms:- objectives Green Revolution, Nature & Types of Risks & uncertainities	"
08 Sept to 13 Sept	Issues In Agriculture Investment, Labour shortage, Pollution & farmar's plight	"
15 Sept to 20 Sept	Doubts + Revision of 2nd unit + Test	"

Week	Topics	Methodology
22 Sept to 27 Sept	Agriculture Finance and Theories of Development	Chalk & Board
29 Sept to 04 Oct	Agriculture credit system in India - Institutional and Non-Institutional credit system	''
06 Oct to 11 Oct	Agriculture Development in Five Year plans, Transformation of Agriculture-Schultz, Mellor and Boserup	''
13 Oct to 18 Oct	Doubts + Revision of unit Ist, IInd, IIIrd + Test	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Agriculture Price policy, commission of Agricultural Costs & Prices.	''
10 Nov to 15 Nov	Fixing MSP and costs for various crops, Indian foreign policies & Trade in Agriculture	''
17 Nov to 22 Nov	WTO & Indian Agriculture, Measures Taken by India to Increase exports of Agri-commodities	''
24 Nov to 01 Dec	Doubts + Revision + Test of All units for final exams.	''

Reference Books:- Leading Issues in Agriculture Economics R. N. Soni, 2015, 12th Ed.

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .. M.A Economics 3rd Sem   Subject Environmental Economics Lecturer Name .. Ravina Soni

Course objectives .. This course focuses on economic issues of environmental problems and acquaints students with methods for the valuation of environmental quality, assessment of environmental damages and environmental impact assessment.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of the syllabus + Pareto optimality & Perfect competition.	Chalk & Board
04 Aug to 09 Aug	Economy & Environment : External Effects in production & consumption Market failure in case of Environmental goods.	"
11 Aug to 14 Aug	Incomplete markets, Externalities, Non - exclusion, Non - rivalry, Non - convexity & Assymetric Information.	"
18 Aug to 23 Aug	Provision of Public & Private goods Doubts + Revision of Ist unit + Test	"
25 Aug to 30 Aug	Economic Incentives for Environmental protection, Price Rationing - pollution Charges.	"
01 Sept to 06 Sept	Ambient charges, subsidies, Liability rules, Non - compliance fees, Deposit Refund system.	"
08 Sept to 13 Sept	Performance Bonds, Quantity Rationing- Market pollution Permits.	"
15 Sept to 20 Sept	Doubts + Revision of 2nd Unit + Test	"

Week	Topics	Methodology
22 Sept to 27 Sept	Natural Resources -Types, classification and scarcity	Chalk & Board
29 Sept to 04 Oct	Economics of sustainable Development - Solow/Hartwick approach to sustainability.	''
06 Oct to 11 Oct	Environmental Accounting, Global efforts for Environmental Protection	''
13 Oct to 18 Oct	Doubts + Revision of unit Ist, IInd & IIIrd + Test	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Environment policy framework in India, Problems of command-and-control regime.	''
10 Nov to 15 Nov	Environmental Legislation and Implementation, Development and Degradation.	''
17 Nov to 22 Nov	Poverty, population & political Economy, water pollution and Existing Pollution Control Mechanism	''
24 Nov to 01 Dec	Revision + Doubts + Test of all units for final exams	''

Reference Books:- Hussen A.M., Principals of Environmental Economics
U. Shankar, Environmental Economics.

Rauna Soni
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.SC. 1 (Ist Sem.) Subject Physical Chemistry (Practical) Lecturer Name Dr. Ritika Chaudhary

Course objectives 1. Handling of Instruments like pH meter and Conductivity meter along with electrodes with basic experiments.
2. Realization of the concept of viscosity using ostwald's viscometer.
3. To understand the basic concept of photometry with the help of instrument Colorimeter.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction	Experimentation
04 Aug to 09 Aug	Determine the strength of strong acid by titration with standardized strong base.	"
11 Aug to 14 Aug	Determine the strength of weak acid by titration with standardized strong base.	"
18 Aug to 23 Aug	Determine the strength of dibasic acid by titration with standardized strong base.	"
25 Aug to 30 Aug	Determine the strength of mixture of acids (strong & weak) by titration with standardized strong base.	"
01 Sept to 06 Sept	Study the variation of conductivity with conc. for strong electrolyte & weak electrolyte. (Introduction)	"
08 Sept to 13 Sept	Determine the strength of strong acid by titration with standardized strong base.	"
15 Sept to 20 Sept	Determine the strength of weak acid by titration with standardized strong base.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Determine the strength of given mixture of acids (strong & weak) by titration with standardized strong base.	Experimentation
29 Sept to 04 Oct	———— DO ————	,,
06 Oct to 11 Oct	Determination of the percentage composition of a liquid mixture by viscosity measurement.	,,
13 Oct to 18 Oct	———— DO ————	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Determination of Concenteration of $KMnO_4$ & $K_2Cr_2O_7$ Colorimetrically.	,,
03 Nov to 08 Nov	———— Viva-Voce ————	,,
10 Nov to 15 Nov	———— Viva-Voce ————	,,
17 Nov to 22 Nov	———— Viva-Voce ———	,,
24 Nov to 01 Dec	———— Viva-Voce ———	,,

Reference Books:- 1. Vogel
2. James, A.M. & Prichard
3. Lavitt, B.P., Findley

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem Msc I (I st)   Subject Organic Chemistry   Lecturer Name Ms. Tanya

Course objectives .... Practical - III
i) Safe laboratory conduct (24PN-CHE-109) iii) Purification techniques for liquids
& good practices   such as crystallization iv) Preparation
ii) Purification techniques for solids   of organic compounds
such as crystallization, sublimation chromatography

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction to common laboratory glasswares	Experimentation
25 Aug to 30 Aug	Purification of organic compounds by sublimation	"
01 Sept to 06 Sept	Recrystallization of benzoic acid from water	"
08 Sept to 13 Sept	Purification of organic liquids by simple distillation	"
15 Sept to 20 Sept	Determination of melting point of solid organic compound	"

Week	Topics	Methodology
22 Sept to 27 Sept	Determination of boiling point of liquid organic compounds	Experimentation
29 Sept to 04 Oct	seperation of organic compounds by paper, TLC, column chromatography	''
06 Oct to 11 Oct	Preparation of benzanilide from aniline	''
13 Oct to 18 Oct	Preparation of p-bromoacetanilide from acetanilide.	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Preparation of p-nitroacetanilide from acetanilide	''
03 Nov to 03 Nov	Preparation of benzene azo-β-naphthol by diazotization	''
10 Nov to 15 Nov	Preparation of adduct of anthracene and maleic anhydride by diels-Alder Rxn	''
17 Nov to 22 Nov	— Revision —	''
24 Nov to 01 Dec	— Revision —	''

Reference Books:- Vogel, Elementary Practical Organic Chemistry

Tanya.

Lecturer   Ms Tanya

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. I (3rd Sem) Subject Spectroscopy-II Lecturer Name Dr. Ritika Chaudhar

Course objectives 1. understanding molecular models (rigid rotor, harmonic oscillator) and their relation to energy levels.

2. Students should be able to explain how Raman scattering arises from molecular vibrations and rotations.

3. The principles of ESR for studying molecules with unpaired electrons.

4. How AAS quantifies elements in a sample by measuring the absorption of light by free metallic ions

Week	Topics	Methodology
01 Aug - 2 Aug	Rotational spectra: Introduction, Rotational spectra of rigid diatomic molecules.	Board, chalk
04 Aug to 09 Aug	Intensities of rotational spectral lines, isotopic effect, non-rigid rotator.	,,
11 Aug to 14 Aug	Spectra of polyatomic linear molecules and symmetric top molecules.	,,
18 Aug to 23 Aug	Vibrational and vibrational-Rotational spectra: The vibrationg diatomic molecule force-constant, zero point energy, simple harmonic vibrator, anharmonicity, morse potential.	,,
25 Aug to 30 Aug	overtones, hot bands, P, Q, R branches, normal mode of vibrations, breakdown of Born oppenheimer approximation, interaction of rotation and vibration, vibration of polyatomic molecules, analysis by Infra-red technique.	,,
01 Sept to 06 Sept	Raman spectra: classical and quantum theories, polarization of light and the Raman effect, depolarization of Raman lines, pure rotational Raman spectra of linear molecules	,,
08 Sept to 13 Sept	vibrational Raman spectra, mutual exclusion principle, structure determination from Raman and infrared spectroscopy, use of symmetry to determine selection rules	,,
15 Sept to 20 Sept	No. of active infra-red Raman lines in the spectra. Electronic spectra: Electronic spectra of diatomic molecules, vibrational coarse st. and rotational fine structure of electronic band.	,,

Week	Topics	Methodology
22 Sept to 27 Sept	The Franck Condon Principle, Intensity of vibrational electronic band, dissociation energy. Test of unit-I	Chalk, Board
29 Sept to 04 Oct	Electron Spin Resonance Spectroscopy: Basic Principles of ESR, experimental technique, the g-value, hyperfine structure.	"
06 Oct to 11 Oct	Instrumentation of ESR and its applications to the study of free radicals and fast reactions, spin densities and Mc Connell relationship. Test of unit-II	"
13 Oct to 18 Oct	Mossbauer Spectroscopy: Basic principles, spectral parameters and spectrum display. Application of the technique to the studies of (1) bonding and structures of Fe^{2+} and Fe^{3+} compounds.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Those of intermediate spin, (2) Sn^{2+} and Sn^{4+} compounds - nature of M-L bond, coordination number, structure and (3) detection of oxidation state. (House Test)	"
03 Nov to 08 Nov	Atomic Absorption Spectroscopy: Introduction to Atomic Absorption spectroscopy, basic principles, resonance line, its natural width, Doppler effect, broadening due to pressure, hollow cathode lamp. Application to alkali and alkaline earth metals.	"
10 Nov to 15 Nov	Flame photometry: Theory of flame photometry, flame temp., Emission flame photometry-Intensity of spectral lines, selection of optimum working conditions, application of flame photometry in trace metal analysis.	"
17 Nov to 22 Nov	Spectrophotometry and Colorimetry: Fundamental concepts, Instrumentation for absorption measurements, interferences, application of absorption spectroscopy and colorimetry to analysis of inorganic substances.	"
24 Nov to 01 Dec	(Assignment on Atomic Absorption Spectroscopy) Revision	"

Reference Books:- 1. Skoog, D.A., West, D.M. Holler
2. Vogel, A.I.
3. Jose, A.C.,

Ritika

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. 2nd 3rd Sem.   Subject Instrumental Technique   Lecturer Name Dr. Reecha

Course objectives 1. To Understand the Electroanalytical methods of Analysis. I
2. To Learn Electroanalytical methods of analysis - II
3. To Learn chromatography Technique.
4. To understand Thermal Technique.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of Electroanalytical methods of analysis. Electrochemical Reaction, Chemical Kinetics,	Chalk and Board
04 Aug to 09 Aug	Diffusion current, dropping mercury electrode, Ilkovic equation, Koutecky equation for diffusion current, Half-wave potential, polarographic wave,	,,
11 Aug to 14 Aug	Conditions for performing polarographic determination of stability constants of complexes by D.c Polarography, catalytic hydrogen wave.	,,
18 Aug to 23 Aug	Rivision class of unit I	,,
25 Aug to 30 Aug	Introduction of Electroanalytical methods of - II. Principal of Amperometric titration, Types of Titration curve.	,,
01 Sept to 06 Sept	Apparatus and Technique, superimposed a.c polarography voltametry in quite and stirred solution with electrother than mercury	,,
08 Sept to 13 Sept	Square - wave polarography, Normal and differential pulse polarography, chronopotentiometry and Coulometry. Theory of stripping	,,
15 Sept to 20 Sept	Cathodic stripping voltametry. Question and answer.	,,

Week	Topics	Methodology
22 Sept to 27 Sept	Rivision class of unit - 2nd	check and Boares
29 Sept to 04 Oct	Introduction about chromatography General principle of chromatography. absorption chromatography, Ion exchange !	''
06 Oct to 11 Oct	Discussion about ion-exchange. ion exchangers- natural and synthetic, ion - exchange capacity.	,
13 Oct to 18 Oct	Ion selective electrode: Fundamental types of electrode, Gas Sensor, ion sensor and enzyme electrode.	,
19 Oct to 26 Oct	Diwali Break	,
27 Oct to 01 Nov	House Test Week	,
03 Nov to 08 Nov	Cathiodic Stripping Voltametry Rivision class.	,,
10 Nov to 15 Nov	Thermal Technique Discussion, Discussion about Thermogravimetric analysis.	''
17 Nov to 22 Nov	Discussion about Differential thermal analysis (DTA) Differential scanning calorimetry principle and application.	,
24 Nov to 01 Dec	Nephlometry and Turbolimetry , Factors affecting, measurement instrumenteition applical.	,

Reference Books:- H. Kaur.
Himalaya Publication. (Instrumental Technique.

Simon

HOD

Lecturer

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc 3rdsem   Subject organo transition metal chemistry   Lecturer Name Ms. Mrinakshi

Course objectives (1) Introduction and classification of ome,
(2) Understand the Transition metal π-complexes.
(3) To evaluate catalytic reaction of different catalyst.

Week	Topics	Methodology
01 Aug - 2 Aug	Unit-1 introduction and classification of organometallic compounds by Bond types cur covalent ionic electron deficient & cluster compound	Lecture method & chalk Board
04 Aug to 09 Aug	Alkyl & Aryls of transition metals. Types ouety of synthesis, stability and decomposition pathway.	Lecture method
11 Aug to 14 Aug	Organocopper in organic synthesis fluxional organometallic compounds	Lecture method
18 Aug to 23 Aug	fluximally and dynamic equillibria in compound such as η^2-olefin, η^3-allyl & drenyl complex. carbony scrambling	Lecture method
25 Aug to 30 Aug	Unit-II Transition metal π-complexe with unsaturated organic molecules alkenes, alkynes,	Lecture method
01 Sept to 06 Sept	Dienes, drenyl, arene & treny complex, preparation properties, nature of Bonding	Lecture method
08 Sept to 13 Sept	Structural features important reaction relating to nucleophillic & electrophillic attack on ligands.	Lecture method
15 Sept to 20 Sept	Unit -3 Alkylidienes, alkyldynes low valent carbenes & carbynes synthesis	Lecture method

Week	Topics	Methodology
22 Sept to 27 Sept	Nature of Bond structural chracterstics, nucleophillic & electrophillic reaction on the cyanes	Chalk & Board method
29 Sept to 04 Oct	Role in organic synthesis. Transition metal compounds with Bonds to Hydrogen.	Lecture method
06 Oct to 11 Oct	Un Test of Unit-I. Revision of topics & numerical.	Chalk & Board method
13 Oct to 18 Oct	UNIT-4. Stochiometric reaction for catalysis, homogenous catalytic hydrogenation	Lecture method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Hydrocynation, Hydrosilylation, methanol carbonylation. House test.	
03 Nov to 08 Nov	Olefin oxidation monsanto and cativa process Zeigler-Natta Polymerization of olefins.	Chalk & Board method
10 Nov to 15 Nov	Catalytic reaction involving carbon monoxide.	chalk Board Method
17 Nov to 22 Nov	Hydrocarbonylation of olefins oxo Reaction. oxopalladation reaction.	lecture method.
24 Nov to 01 Dec	Activation of C-H Bond.	Chalk Board method

Reference Books:- OMC by ajai kumar

Lecturer M. minakshi

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc II (3rd) Subject Chemistry Lecturer Name Dr. Nisha

Course objectives Inorganic polymer, Non-aqeous solution, kinetics and Mechanism, Isopoly & Hetropoly, Basic of photochemistry Toxicology their scope, Nuclear chemistry, Sewages fertilizer

Week	Topics	Methodology
01 Aug - 2 Aug	Inorganic polymer, and their classification	Chalk Board
04 Aug to 09 Aug	Comparison of I.P with O.P, B-N Polymer, silicon coordination and P-N compound.	''
11 Aug to 14 Aug	Non aqeous solutions with respect of H_2SO_4	4
18 Aug to 23 Aug	Non-aqeous solution with BrF_3, N_2O_4 and Phosphoryl chloride.	4
25 Aug to 30 Aug	kinetics & mechanism of coordination rxn in non-aqeous sol^n.	''
01 Sept to 06 Sept	Isopoly and Hetropoly acid and salt brief.	''
08 Sept to 13 Sept	Mo and W structures of Isopoly and hetropoly.	''
15 Sept to 20 Sept	Basic of Photochemistry, absorption, excitation, Photochemical Laws.	''

Week	Topics	Methodology
22 Sept to 27 Sept	Quantum yield, electronically excited state, life times – measurement of times.	//
29 Sept to 04 Oct	Flash photolysis, stop flow techniques.	//
06 Oct to 11 Oct	Energy dissipation by radiative and non radiative process.	//
13 Oct to 18 Oct	Frank condon principle & primary, secondary process, sewage & fertilizer in different field.	//
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Toxicology history, scope, literature, chemical carcinogens & Toxicity. metal ions.	//
10 Nov to 15 Nov	Nuclear chemistry, representation of nuclides, Isobars & Isotopes and their examples.	//
17 Nov to 22 Nov	qualitative idea of stability of nuclear, shell & liquid drop models and radioactive rates.	//
24 Nov to 01 Dec	average life & Revision.	

Reference Books:- Banerjee, Addison, w.E (Principles in inorganic chem); Cotton, F.A & willkinson, G, Advanced Inorganic chem. Huhee - Inorganic chem, Moeller, Douglas.

Lecturer M. singh   HOD Singh

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. Sem.   Subject 22CHE311   Lecturer Name Ms. Minakshy

Course objectives (1) Synthesis of Inorganic compounds.

(2)

Week	Topics	Methodology
01 Aug - 2 Aug	Synthesis of Inorganic Complexes methyl acetylacetonates. $VO(aca)_2$.	Experimentation
04 Aug to 09 Aug	Synthesis of Inorganic complexes $Cr(acac)_3$	"
11 Aug to 14 Aug	Synthesis $[Co(NH_3)_5 Cl]Cl_2$. of Inorganic complexes	"
18 Aug to 23 Aug	Synthesis of Inorganic complexes $Ni(dmg)_2$.	"
25 Aug to 30 Aug	Synthesis of Inorganic complexes $[Ni(en)_3]S_2O_3$	"
01 Sept to 06 Sept	Synthesis of Inorganic complex $[Ni(NH_3)_6]Cl_2$	"
08 Sept to 13 Sept	— Revision —	"
15 Sept to 20 Sept	— Revision —	"

Week	Topics	Methodology
22 Sept to 27 Sept	Metal complex of dimethyl sulphoxide.	Experimentation
29 Sept to 04 Oct	Synthesis of compounds Volucal's	"
06 Oct to 11 Oct	Preparation of copperglycine complex	"
13 Oct to 18 Oct	Preparation of copperglycine comple → cis bay bio glycinato CuII	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Ruvision House test	"
03 Nov to 08 Nov	Ruvison	"
10 Nov to 15 Nov	Rivision	"
17 Nov to 22 Nov	Ruvisin	"
24 Nov to 01 Dec	Rivisin	"

Reference Books: (1) Dolly w.L synthesis & characterization
(2) king A. inorganic preparation.

Lecturer M Minalilai

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. 2nd year Subject Practical inorganic special II

Lecturer Name Dr. Reshy

Course objectives 1) Understand about spectroscopic Techni.

2) Learn about Synthesis techiqu..

3) Learn about thermal Technique

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of spectro-technique FTIR and XRD.	experimental
04 Aug to 09 Aug	Synthesis of Tris (acetyl-acetonate) manganese (II)	''
11 Aug to 14 Aug	Understand the techniqu of SEM and TGA.	''
18 Aug to 23 Aug	Learn the spectra of SEM and TGA.	''
25 Aug to 30 Aug	Revision of previous class.	'
01 Sept to 06 Sept	Synthesis of Tris (acetyl-acetonato) Cobalt (III)	'
08 Sept to 13 Sept	study about spectra of FTIR about his college	''
15 Sept to 20 Sept	Synthesis of Tris (acetyl-acetonato) Cobalt (III)	h

Week	Topics	Methodology
22 Sept to 27 Sept	Rivision Repeat the experiment.	Experimental
29 Sept to 04 Oct	Synthesis of Tris thio 4oca copper (I) Sulfate.	//
06 Oct to 11 Oct	Study about this study and spectral analysis of FTIR and XRD.	//
13 Oct to 18 Oct	Rivision of 3oa experiment'	~/
19 Oct to 26 Oct	Diwali Break	//
27 Oct to 01 Nov	House Test	//
03 Nov to 08 Nov	Repeat Test experiment.	//
10 Nov to 15 Nov	Internal VIVA - VOCE	//
17 Nov to 22 Nov	Synthesis of Tris(acetyl acetonate) chromium(III)	//
24 Nov to 01 Dec	VIVA-VOCE Practice and Repeat experiment.	//

Reference Books:- Himaly Publishing house
Vogel's Qualitative Inorganic chemistry

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc II...   Subject ..Chemistry...   Lecturer Name Dr. Nisha

Course objectives ..Photometry...¡... Practical compositions and different techniques.

Week	Topics	Methodology
01 Aug - 2 Aug	Determination of Pka - value of an indicator spectrophotometrically.	Experimentation
04 Aug to 09 Aug	Conductometically – composition of mixture of week & strong acids	4
11 Aug to 14 Aug	Precipitation and displacement titration.	4
18 Aug to 23 Aug	Lesson about PH- metry and their basic before experiment.	4
25 Aug to 30 Aug	Composition of mixture of strong & week acids,	4
01 Sept to 06 Sept	Pka value of organic acids	Lecture
08 Sept to 13 Sept	Repeat the same exp. with 2nd group again,	11
15 Sept to 20 Sept	Lecture about Turbidimetry and its techniques	Lecture

Week	Topics	Methodology
22 Sept to 27 Sept	Determination of concentration of sulphate ions in given soln	Exp.
29 Sept to 04 Oct	other technique introduced	Exp.
06 Oct to 11 Oct	Repeat experiment Ist	"
13 Oct to 18 Oct	Different technique introduction	Lecture
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Rivision (House Test)	"
03 Nov to 08 Nov	Rivision	Exp.
10 Nov to 15 Nov	Rivision and internal viva	Lecture Asking
17 Nov to 22 Nov	viva & Repeat experimen.	"
24 Nov to 01 Dec	VIVA - VOCE	"

Reference Books:- Bessett J., John Wiley 5th edition
Larry G., Hargis Laboretory manual.

HOD

Lecturer M. Nisha

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem. M.Sc I. I Sem.   Subject Inorganic Chemistry   Lecturer Name Dr. Reechu

Course objectives CO.1 — Understand the concept metal ligand.
CO₂ - Explain the mechanism of ligand substitution in octahedral
CO3! - Substitution in square planar
CO4 - properties of isopoly and heteropoly acids.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction about co-ordination compound, metal-ligand bonding	Chalk and Board
04 Aug to 09 Aug	Spectrochemical series, calculation of CFSE for low and high spin complexes. Application of CFSE, limitation of CFT,	''
11 Aug to 14 Aug	Jahn-Teller effect and its application, ligand-field theory Molecular orbital theory, M.O Diagrams, of tetrahedral and square	''
18 Aug to 23 Aug	planar including σ and π bonding and Revision	''
25 Aug to 30 Aug	Inert and labile complexes, mechanism of ligand replacement reactions, formation of complex from aqua ions ligand ligand displacement	''
01 Sept to 06 Sept	formation reaction H₂O ligand exchange reaction, factor affecting ligand substitution in octahedral complexes + optical retention	''
08 Sept to 13 Sept	H₂O ligand exchange reaction, factor affecting ligand substitution in octahedral complexes, optical relation, cotton effect.	''
15 Sept to 20 Sept	Mechanism of ligand displacement reaction in square planar complex and Restof Revision.	''

Week	Topics	Methodology
22 Sept to 27 Sept	Oxidative addition and reductive elimination, trans effect and theories of trans effect.	check any Board
29 Sept to 04 Oct	Electron Transfer process, Types and Mechanism - outer space electron transfer and inner sphere e⁻ transfer. factors affecting	"
06 Oct to 11 Oct	Rate of transfer reaction and Role of non-bridging ligand on rate of e⁻ transfer.	"
13 Oct to 18 Oct	Test of Unit 3 and Revision and Doubt Classes.	"
19 Oct to 26 Oct	Diwali Break	*
27 Oct to 01 Nov	House Test —	"
03 Nov to 08 Nov	Isopoly and Heteropoly Acids and salts of Mo and W :- Isopolyacids and Isopoly ions.	"
10 Nov to 15 Nov	preparation and structure of Paramolybolate and octamolybdate, heteropoly acids.	"
17 Nov to 22 Nov	Crystal structure introduction. structure of some binary and ternary crystalline solid, fluorite, anti fluorite.	"
24 Nov to 01 Dec	Rutile, anti-rutile, cryssobalite perovskite, Ilmenite, normal Spinel and Inverse minear 18, Tolerance factor.	"

Reference Books:- Inorganic chemistry by G. L, miessler. Modern Aspects of inorganic by H5 Hiwslens. and AG Tar

Lecturer   HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.SC.I (I st Sem) Subject Physical Chemistry Lecturer Name Dr. Ritika Chaudha

Course objectives 1. Basic Postulates of Quantum Mechanics & Concept of operators, Particle in a box problem.

2. Laws of thermodynamics & phase equilibrium, concept of Entropy and its calculation for various processes.

3. Rate law of different order reactions (zero, 1st & IInd order) and consecutive, opposed & chain rxns

4. Explain Debye Huckle Theory of ion-ion interactions for the determination of activity and activity coefficient

Week	Topics	Methodology
01 Aug - 2 Aug	Quantum Mechanics : Introduction to Quantum mechanics and its postulates, Quantum Mechanical operators.	Chalk, Board
04 Aug to 09 Aug	Eigen function and Eigen values, Hermitian operators, Angular momentum operators and their commutation relation (L_x, L_y, L_z & L^2).	"
11 Aug to 14 Aug	Laddar operators and its effect on angular momentum operator, Schrodinger wave equation for particle in 1-D box, evaluation of average position, average momentum and average energy.	"
18 Aug to 23 Aug	Pictorial representation of the wave equation and energy for particle in 1-D box, Derivation of uncertainty principle (x & p), Schrodinger wave eq. for a particle in a 3-D box, and the concept of degeneracy of energy levels.	"
25 Aug to 30 Aug	Thermodynamics : First & Second law of thermodynamics, Entropy changes in reversible and irreversible processes; variation of entropy with Temperature, Pressure and volume.	"
01 Sept to 06 Sept	Criteria for the spontaneity of reaction, free energy functions and their significance, Gibb's-Duhem eq., variation of chemical potential with temp. and Pressure.	"
08 Sept to 13 Sept	Chemical potential for an ideal gas, thermodynamic functions of mixing (free energy, entropy, volume and enthalpy), Law of mass action and its thermodynamic derivation.	"
15 Sept to 20 Sept	Classius-Clapeyron eq. and its applications. Phase diagram for two completely miscible components system, Eutectic systems, Calculation of eutectic point, systems forming solid compounds A_xB_y with congruent and incongruent melting points.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Phase diagram and thermodynamic treatment of solid solutions. Chemical Dynamics - Brief description of Integrated rate laws of zero, first, and second order reactions with graphical representation.	Chalk, Board
29 Sept to 04 Oct	Lindemann-Hinshelwood mechanism of Unimolecular reactions. Rate law for opposing reactions ($1st$ & IInd order). Rate law for consecutive reactions, Kinetics of parallel reactions. Test of unit-I	,,
06 Oct to 11 Oct	Electrochemistry - Debye-Hückel theory of ion-ion interactions (ionic cloud, Poisson's eq., excess charge density, Linearization of Boltzmann equation.	,,
13 Oct to 18 Oct	Linearized Poison Boltzmann eq. and its solution, excess charge density and potential as a function of distance from the central ion, Debye Hückel reciprocal length, ionic cloud and its contribution to the total potential) Test of unit-II	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Debye-Hückel limiting law, activity coefficient and ion-ion interactions and its physical significance, mean ionic activity coefficient. Debye-Hückel onsager theory for non-aqueous solutions. (House Test)	,,
03 Nov to 08 Nov	Solvent effect on the mobility at infinite dilution, equivalent conductivity(λ_{eq}) vs square root of Conc. ($c^{1/2}$) as a function of solvent, effect of ion association upon conductivity (Debye-Hückel-Bjerrum eq.)	,,
10 Nov to 15 Nov	Assignment On Electrochemistry Revision	,,
17 Nov to 22 Nov	Revision	,,
24 Nov to 01 Dec	Revision	,,

Reference Books:- 1. K.L. Kapoor, A textbook of Physical Chemistry volume 2
2. Laidler, K.J, Chemical Kinetics
3. Levine, I.N. Quantum Chemistry, Pearson 7th ed.
4. Bockris J.O.M. & Reddy A.K.H. vol-1

Lecturer   HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc I (Ist Sem) Subject Chemistry (organic). Lecturer Name Ms. Simaran

Course objectives 1) Understand the concept delocalisation, aromaticity,
2) Advance knowledge of Rn intermediate, aliphatic nucⓈEⓅRxn
3) Indepth understanding Asymmetric synthesis.
4) Basic knowledge of Concept stereo chemistry, conformation Analysis.

Week	Topics	Methodology
01 Aug - 2 Aug	Unit-I — Nature & Bonding of organic Molecules → Concept of Aromaticity, Huckel's Rule.	Blackboard & Chalk
04 Aug to 09 Aug	Energy level of π-molecular orbital, annulene, antiaromaticity, homo-aromaticity. Delocalized chemical bonding - conjugation, cross conjugation.	''
11 Aug to 14 Aug	Organic Reaction Mech. — Str-&Reactivity Types of mechanism, types of Reaction, Relationship b/w thermodynamic stability & Rate of Reaction.	''
18 Aug to 23 Aug	Kinetic versus thermodynamic control product formation - Hammond Postulate, Potential energy diagram, transition state & Intermediates.	''
25 Aug to 30 Aug	Method of determining the mech. The Hammett equation & linear free energy relationship, substituent & reaction constant. Test of Unit—I	''
01 Sept to 06 Sept	Unit-II → Reactive Intermediate, Generation str., stability & Reactivity A reactive Intermediate, carbocation, carboanion, free Radical, carbene, nitrene	''
08 Sept to 13 Sept	Aliphatic nucⓈEⓅ substitution The SN1, SN2, mixed SN1 & SN2, SNi, SET mech. The NGP of P-S bond, anchimeric assistance.	''
15 Sept to 20 Sept	classical & Non classical Carbocation, Phenonium ion, common carbocation. Reactivity - Effect of substrate, nr, attacking nuP, leaving group & Reaction medium.	5

Week	Topics	Methodology
22 Sept to 27 Sept	Ambident nucleophile, regioselectivity, phase transfer catalysis – The SE1 mech, SE2, SEi, E⊕ substitution. Effect of substrate, leaving group & solvent.	Blackboard & chalk
29 Sept to 04 Oct	Unit-3 Stereochemistry – Introduction to molecular symmetry & chirality, D-L, R-S, E-Z & erythro - threo. Interconversion of Fisher, Newman, sawhorse & flying wedge.	''
06 Oct to 11 Oct	Conformational Analysis enantiomerism, & diastereomerism of simple acyclic, cyclic system, fused & bridged bicyclic system & sugars. Test of Unit-II	''
13 Oct to 18 Oct	Conformation & reactivity some example, optical activity in the absence of chiral carbon. Stereochemistry of compound containing N, S, P.	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test Week	
03 Nov to 08 Nov	Unit-IV Stereochemistry-II Topicity of ligand & faces, their nomenclature & diastereoisomerism, stereogenicity, chirogenicity.	Blackboard & chalk
10 Nov to 15 Nov	Pseudosymmetry & prochiral centres. stereospecific & stereoselective Rxn. Asymmetric synthesis – Enantiomer excess, % age enantioselectivity.	''
17 Nov to 22 Nov	Optical purity, % age diastereomeric excess. Asymmetric synthesis (base principle, auxiliary, substrate, reagent & catalyst controlled).	''
24 Nov to 01 Dec	— Revision —	

Reference Books:- 1) J. March John Willy
2) Carey, F.A. & Saundberg
3) D Nasipuri

Singh
Lecturer

Singh
HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. I. (Ist) Subject D.EC (25PIV-CHE-106) Lecturer Name Ms. Tanya

Course objectives .... i) Explain the fundamental chemical principles governing properties and applications of common everyday product and material ii) Analyse the chemical composition and impact of food, pharmaceuticals iii) Evaluate the role of chemistry in understanding environmental challenges iv) Discuss the societal implications of chemical

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug		
25 Aug to 30 Aug	Unit-I:- Household & personal care chemistry soaps, detergents cleaning agents (bleaches, disinfectants) Cosmetics (moisturizers) sunscreens	Lecture Method
01 Sept to 06 Sept	hair products, Toothpaste Mechanisms of action and safety	"
08 Sept to 13 Sept	Polymeric Materials Types of polymers thermoplastics, thermosets, elastomers Common plastics (PVC, PET, nylon	"
15 Sept to 20 Sept	Teflon) their properties, applications and recycling, Bioplastics surface and structural material	"

Week	Topics	Methodology
22 Sept to 27 Sept	paints, coatings and adhesives compo. film formation, bonding, Textiles (natural vs synthetic fibres) and	lecture method
29 Sept to 04 Oct	Chemistry of dyes, ceramics and glass (Composition, prop. and applications) Energy and storage Basic electrochemistry Common battery types (alk. lithium ion)	"
06 Oct to 11 Oct	Food Chemistry macronutrients (carbohydrate, proteins, lipids structure, digestion, chemical change) Micronutrients (vitamins, minerals, chemical roles) food additives and chemical aspects of food processing	"
13 Oct to 18 Oct	Pharmaceutical & Toxicology Principles of drug action, common drug classes analgesics, antibiotics, antacids, Drug discovery overview, classes of poison, toxins, toxicity, antidotal therapy	"
19 Oct to 26 Oct	Diwali Break Assignment	
27 Oct to 01 Nov	Unit- III :- Environmental chemistry Air pollution (sources, smog, acid rain, Ozone depletion, Soil pollution pesticides, herbicides, Principles	"
03 Nov to 08 Nov	of green chemistry and sustainable practices.	"
10 Nov to 15 Nov	Chemistry of Art & conservation. Chemical composition of historical pigments and binders application of analytical	"
17 Nov to 22 Nov	techniques for art authentication and degradation studies, chemical principles in art	"
24 Nov to 01 Dec	Conservation & restoration —— Revision ——	"

Reference Books:- Atkins, Chemical principles
An introduction to medical chemistry
Principles of Biochemical Toxicology Sim 02

Tanya

Lecturer M. Tanya

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Inorganic Chemistry

Class with Sem M.Sc. 1st sem Subject 22CHE-105. Lecturer Name Ms. Minakshi

Course objectives (1) qualitative analysis of inorganic compounds
(2) quantitative analysis of complexes

Week	Topics	Methodology
01 Aug - 2 Aug	Qualitative analysis of less common metals ion → Se, To, Mo, W	Experimentation
04 Aug to 09 Aug	Qualitative analysis of less common metals ion - Ti, Zr, U	"
11 Aug to 14 Aug	Qualitative analysis of metal ions → Mo, W	"
18 Aug to 23 Aug	Insoluble oxides Al_2O_3 Qualitative analysis by dry & wet method	"
25 Aug to 30 Aug	Qualitative analysis of insoluble oxides Cr_2O_3 by dry & wet method.	"
01 Sept to 06 Sept	Qualitative analysis of insoluble oxides SnO_2 by dry & wet method	"
08 Sept to 13 Sept	Qualitative analysis of insoluble oxides TiO_2 by dry & wet method	"
15 Sept to 20 Sept	Qualitative analysis of insoluble halides CaF_2	"

Week	Topics	Methodology
22 Sept to 27 Sept	Qualitative analysis of Insoluble halides AgCl.	experimental
29 Sept to 04 Oct	Qualitative analysis of Insoluble halides AgBr	,,
06 Oct to 11 Oct	Qualitative analysis of Insoluble AgI	,,
13 Oct to 18 Oct	Qualitative analysis theory	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Quantitative analysis of Iodometric analy titration / House Test	,,
03 Nov to 08 Nov	Revision of old experiments	,,
10 Nov to 15 Nov	Qualitative analysis	,,
17 Nov to 22 Nov	Qualitative analysis	,,
24 Nov to 01 Dec	Quantitative analysis	,,

Reference Books:- (1) Vogel A textbook of micro & semi-micro Quantitative
(1) Bassett & Denney R.C. Jaffry

Lecturer :-

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem Hsc.Let.(I st) Subject Classical Mech. Lecturer Name Ms. Monika

Course objectives ....

Week	Topics	Methodology
01 Aug - 2 Aug	General Introduction of Lagrange's eqn and their derivation from Hamilton formula.	Lecture Method
04 Aug to 09 Aug	Principle of least action with Application, canonical transformation Hamilton eqn of motion, cyclic coordinates.	Lecture Method
11 Aug to 14 Aug	Numerical practice on eqn of motion Routhian procedure and eqn.	Lecture Method
18 Aug to 23 Aug	Variational principle, Generating function with their properties and examples.	Lecture Method
25 Aug to 30 Aug	Revision of unit with numerical, Poisson bracket and their special cases, Poisson Theorem.	Lecture Method
01 Sept to 06 Sept	Poisson brackett and its properties, cannonical transformation, Jacobi Identity and its derivation	Lecture Method
08 Sept to 13 Sept	Relation b/w Poisson bracket & Lagrange bracket, Liouville's theorem and its application.	Lecture Method
15 Sept to 20 Sept	Theory of small oscillaton, eigen value eqn and principle axis transformation	Lecture Method

Week	Topics	Methodology
22 Sept to 27 Sept	Introduction of central force, eqn of motion and first integrals, classification of orbit, the virial Theorem	Lecture Method
29 Sept to 04 Oct	Differential eqn for the orbit. Integrable power law in time in the Kepler's problem, scattering.	Lecture Method
06 Oct to 11 Oct	H-J equation and their solutions Use of H-J eqn for the solution of Harmonic oscillator.	Lecture Method
13 Oct to 18 Oct	Numerical practice, topic of assignment alloted, free vibration of triatomic molecule.	Lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	Test Method
03 Nov to 08 Nov	linear and non linear systems periodic motion, Perturbation and KAM Theorem	Lecture Method
10 Nov to 15 Nov	Dynamic in Phase space, attractors classification and stability of equilibrium point	Lecture Method
17 Nov to 22 Nov	Stability analysis of cubic an harmonic oscillator and an damped pendulum.	Lecture Method
24 Nov to 01 Dec	chaotic trajectories, Poincare Map, Henon Hills Hamilton, bifurcation, driven damped H.O.	Lecture Method

Reference Books:-
J.C. Upadhyay
Classical Mechanics by Herbert Goldstein.

Lecturer (Dnike)

HOD
Indu

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc.(First), I   Subject Electronic devices and Circuits - I   Lecturer Name Miss Tanvi

Course objectives After completing this course students will be able to know basics of Semiconductor, amplifiers.

Week	Topics	Methodology
01 Aug - 2 Aug	Basics Of p-n junction, Semiconductor, intrinsic, extrinsic, energy level diagrams	Lecture Method
04 Aug to 09 Aug	p-n junction under F.B. & R.B, Zener diode, Zener and Avalanche Breakdown, Transistor	Lecture Method
11 Aug to 14 Aug	Network Theorems : Node, Mesh, two port network analysis	Lecture Method
18 Aug to 23 Aug	Equivalent circuit of BJT, transconductance model, analysis of CE, CB and CC	Lecture Method
25 Aug to 30 Aug	Effect of negative feedback on gain, stability, distortion, location of Q-Point, fixed, emitter, voltage bias	Lecture Method
01 Sept to 06 Sept	Bias compensation, bias techniques, thermal runaway, thermal stability	Lecture Method
08 Sept to 13 Sept	Frequency Response of Amplifier	Lecture Method
15 Sept to 20 Sept	Mid - frequency response of CE cascade, Miller circuit	Lecture Method

Week	Topics	Methodology
22 Sept to 27 Sept	high frequency response of CE cascade, frequency response of RC	Lecture Method
29 Sept to 04 Oct	Transformer coupled CE amplifier, gain - frequency plot of amplifier response	Lecture Method
06 Oct to 11 Oct	Bandwidth of cascaded amplifier Gain - Bandwidth product	Lecture Method
13 Oct to 18 Oct	Bootstraping, noise in amplifier noise figure, Allotment of assignment topics	Lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	Test Method
03 Nov to 08 Nov	Class A large signal amplifier, 2nd and higher order harmonic distortions	Lecture Method
10 Nov to 15 Nov	Transformer coupled power amplifier, impedance matching, efficiency, push - pull amplifier	Lecture Method
17 Nov to 22 Nov	Class - B amplifier, cross over distortion, Class - AB, heat sinks, derating curve	Lecture Method
24 Nov to 01 Dec	Basic operation and analysis of zener diode voltage regulation, feedback series BJT, current regulator	Lecture Method

Reference Books:-

Tanu

Lecturer

1. Intigrated Electronics by J. Millman & C.C. Halkias

2. Electronic Devices and Circuit Theory by Boylestadand

Indu

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. 1 sem Subject Mathematical Lecturer Name Dr. Deepanshi

Course objectives • Understand group Physics theory, symmetry groups.
• Learn about fourier series expansion and Laplec transforms, all polynomials, Cauchy-Integral th.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of Matrices and Group Theory (Unit-1)	Lecture Method
04 Aug to 09 Aug	Types of matrices, Eigen values and eigen vectors of matrices, Fundamentals of group theory.	,,
11 Aug to 14 Aug	Types of groups, rearrangement theorem, normal devisors & factor groups.	,,
18 Aug to 23 Aug	Isomorphism, Homomorphism, class multiplication. Intro of group representation	,,
25 Aug to 30 Aug	Orthogonality theorem, reducible and irreducible representations	,,
01 Sept to 06 Sept	Introduction to unit-2 (Diff. equations) → Solution of 1st & 2nd order DE, Ordinary & singular pt	,,
08 Sept to 13 Sept	Series solutions, Solution of Legendre diff. eq; Bessel's differential equation with examples	,,
15 Sept to 20 Sept	Solution of Laguerre & Hermite diff. eqn. Fourier transform introduction.	,,

Week	Topics	Methodology
22 Sept to 27 Sept	Laplace Transform and properties. Inverse laplace transform. Introduction of Special functions.	Lecture method
29 Sept to 04 Oct	(Unit - 3) Bessel's fn → Its generating fn, recurrence relation, Bessel Integrals and orthogonality.	"
06 Oct to 11 Oct	Legendre Polynomial and its recurrence relations & orthogonality.	"
13 Oct to 18 Oct	Hermite and Laguerre Polynomials → generating function, recurrence relation, orthonormality.	"
19 Oct to 26 Oct	Diwali Break (Assignment)	
27 Oct to 01 Nov	House Test Week	Test method
03 Nov to 08 Nov	Introduction to function of a complex variables. (Unit - 4)	Lecture method
10 Nov to 15 Nov	Complex variables, Cauchy-Riemann conditions, Cauchy's Integral Theorem & formula.	
17 Nov to 22 Nov	Taylor and Laurent expansions, Singularities; Cauchy residue theorem.	
24 Nov to 01 Dec	Cauchy Principle value, Singular points; Evaluation of definite integrals.	

Reference Books:- i) B S Rajput

ii) P K Chattopadhyay

iii) Weber

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ..Ist (MSc I) Subject ...Quantum Mechanics-I   Lecturer Name ...Dr. Indu Vashistha

Course objectives .... Students will understand the concept of Quantum Mechanics

Week	Topics	Methodology
01 Aug - 2 Aug	Unit-1 : Recapitulation of basic Concepts: Two slit experiment with em Radiation and matter Particles, Schroedinger wave eqn	Lecture Method
04 Aug to 09 Aug	Expectation values, Ehrenfest Theorm; Postulates of quentum Mechanics, Hermitan Operator Eign values and Eign function	,,
11 Aug to 14 Aug	Probability function and expe-ctation value, Co-ordinate and momentum Repn of wave function, Uncertainity Principle four two arbitrary observable	,,
18 Aug to 23 Aug	A charge Particle in uniform static Magnetic field. The Hydrogen atom Problem.	,,
25 Aug to 30 Aug	Unit-2 : Hermition and Unitary Matrices, Transforma-tion and diagonalization of Matrices, Repn of observable	,,
01 Sept to 06 Sept	Transformation theory, choice of basis, change of Basis Unitary Transformation, Hil-bert space, Dirac's ket notation	,,
08 Sept to 13 Sept	Time development of quantum system: Schrodinger, Heisen-berg and interaction Picture Quantization of a classical System	,,
15 Sept to 20 Sept	Matrix Theory of Harmonic Oscillator: Spectrum of Eign values and Eign functions. Matrices four Position, Momentum	,,

Week	Topics	Methodology
22 Sept to 27 Sept	Unit-III Quantum Theory of Angular Momentum: Orbital Angular Momentum; Cartesian and spherical Polar Co.	Lecture Method.
29 Sept to 04 Oct	Commutation rel^n, orbital Angular momentum and Spatial rotations, Eign values and Eign functions of L^2 and L_z	,,
06 Oct to 11 Oct	Spherical harmonics; General angular Momentum J: Eign values and eign function of J^2 and J_z.	,,
13 Oct to 18 Oct	Matrix Rep^n of angular Momentum operator, Spin Angular, wave function including Spin, CG coefficients.	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test.	
03 Nov to 08 Nov	Many-Particle Systems and Identical Particles (Unit-4) Many Particle Schroedinger wave eq^n, Stationary-State	,,
10 Nov to 15 Nov	Systems of Identical Particles, Physical Meaning of Identity, Principle of indistinguishability,	,,
17 Nov to 22 Nov	Exchange and Transposition Operator, Totally symmetric and antisymmetric wave function. Time invariance of Symmetry.	,,
24 Nov to 01 Dec	Statistics of Identical Particles Fermions and bosons; spin and total wave functions for a system of two spin ½ Particles.	,,

Reference Books:- Quantum Mechanics: Concepts and applications by N. Zettili

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.SC. Final (III) Subject Electronics-I Lecturer Name Ms. Tanu

Course objectives ..Students... will understand about Digital Electronics

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of different number system, flip flop	Lecture Method
04 Aug to 09 Aug	Introduction of Counters, Registers	Lecture Method
11 Aug to 14 Aug	Introduction to Number Systems, Digital Signals, Properties of Digital Signals : Switching time	Lecture Method
18 Aug to 23 Aug	Time Period & frequency, Difference between analog and digital signal. Number System	Lecture Method
25 Aug to 30 Aug	Binary, Octal, Hexadecimal, Conversion, Binary Arithmetic Complement, BCD, Gray Code	Lecture Method
01 Sept to 06 Sept	Logic Systems (DC logic system AND-OR-Invert, OR-AND) Logic Gates using (RTL, DTL, TTL)	Lecture Method
08 Sept to 13 Sept	MOS, ECL, Boolean Algebra: SOP, POS, Minterm, Maxterm,	Lecture Method
15 Sept to 20 Sept	Implementation of SOP/ POS using NAND, NOR Gates	Lecture Method

Week	Topics	Methodology
22 Sept to 27 Sept	Combinational Circuit : Karnaugh Map upto four variables.	Lecture Method
29 Sept to 04 Oct	Half Adder, Full Adder, Half Subtractor, Full Subtr-adder	Lecture Method
06 Oct to 11 Oct	Multiplexer, Demultiplexer	Lecture Method
13 Oct to 18 Oct	Encoder, Decoder, Parity Checker, Allotment of assignment	Lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	Test Method
03 Nov to 08 Nov	Sequential Circuits : RS latch RS flip-flop, J-K flip-flop	Lecture Method
10 Nov to 15 Nov	T-FF, D-FF, Characteristic equation for flip flops Master-Slave flip-flop	Lecture Method
17 Nov to 22 Nov	Register, Shift Registers & application, Counters	Lecture Method
24 Nov to 01 Dec	Types of Counter, Revision of unit-III	Lecture Method

Reference Books:- 1. Digital Principles and Applications by Leach Malvino

2. Digital Electronics by Morris Mano

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc-2nd (3rd) Subject Atomic & Molecular Lecturer Name Ms. Monika

Course objectives To Provide understanding of atomic spectra

Week	Topics	Methodology
01 Aug - 2 Aug	Physical Interpretation of quantum of no., Pauli Principle, Terms for equivilent e⁻ atom.	Lecture Method
04 Aug to 09 Aug	General Introduction of terms for non equivilent e⁻ and numerical practice. Normal and anomalous Zeeman effect.	Lecture Method
11 Aug to 14 Aug	Paschen back effect, spectrum of He atom, spectra of alkali atom, fine str. of alkali spectra	Lecture Method
18 Aug to 23 Aug	Isotope effect and effect of nuclear spin, Hyperfine structure of spectral line, revision of Unit-1.	Lecture Method
25 Aug to 30 Aug	Numerical related to unit 1, Types of molecular spectra, diatomic molecules and their rotational spectra	Lecture Method
01 Sept to 06 Sept	Rotational spectra of diatomic molecule as rigid rotator and non rigid rotator, types of diatomic molecule and practice of numerical	Lecture Method
08 Sept to 13 Sept	Isotope effect of rotational diatomic molecule, symmetric and Assymmetric types of molecules. Formula based numericals.	Lecture Method
15 Sept to 20 Sept	Revision of unit 2; Born oppenheimer approximation with derivation, vibrational cower structure.	Lecture Method

Week	Topics	Methodology
22 Sept to 27 Sept	Progression and sequence, vibrational energy of diatomic molecule, Diatomic molecule as harmonic oscillator.	Lecture Method
29 Sept to 04 Oct	Numerical on harmonic oscillator, energy level and spectrum, Morse potential energy curve	Lecture Method
06 Oct to 11 Oct	Molecule as vibrating rotator, vibration spectrum of diatomic molecules, P & R branches formed in spectra of diatomic molecule.	Lecture Method
13 Oct to 18 Oct	Practice of numerical based on non harmonic topic, allotment the topic of assignment.	Lecture Method
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House test	test Method
03 Nov to 08 Nov	Silent feature of electronic spectra with introduction, formation of electronic spectra. Intensity of bands.	Lecture Method
10 Nov to 15 Nov	Absorption spectra, Frank codon Principle with Frank codon parabola, dissociation and pre dissociation.	Lecture Method
17 Nov to 22 Nov	Dissociation energy, Rotational fine spectra, Fluorescence and Phosphorescence with their mechanism.	Lecture Method
24 Nov to 01 Dec	kasha's rule, Quantum yield, Non radiative transition and Jablonski diagram; Revision	Lecture Method

Reference Books:- Atomic & Molecular Physics by Rajkumar
Molecular Physics by V. K Jain

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. 3rd Sem Subject Electrodynamics Lecturer Name Dr. Deepanshi

Course objectives • Apply electrostatics and magnetostatics to solve Poisson's and Kaplace eqn.
• Understand relativity, Maxwell's equations and applications.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of Electrostatics and Magneto statics.	Lecture method
04 Aug to 09 Aug	(Unit -1) → Poisson's and Kaplace equations, Solution of Kaplace, Energy stored in continous charge.	͐
11 Aug to 14 Aug	Multipole expansion : monopole & dipole terms, potential at large distances, Electric field in matter.	͐
18 Aug to 23 Aug	Electric displacements, bound currents, magnetic field inside matter	͐
25 Aug to 30 Aug	Ampere's law in magnetized material, boundary conditions, susceptibility & permeability.	͐
01 Sept to 06 Sept	(Unit-2) → Faraday's law, induced electric & magnetic field. Maxwell's equation and charge conservation	͐
08 Sept to 13 Sept	Poynting theorem, Newton's 3rd law in ED, Maxwell's tensor, conservation of momentum	͐
15 Sept to 20 Sept	Wave equation → energy and mom. of of EM wave, EM wave in matter.	͐

Week	Topics	Methodology
22 Sept to 27 Sept	Reflection & Refraction of EM Waves, Fresnel relations, Brewster's angle, Wave propagation in media.	Lecture method
29 Sept to 04 Oct	Wave guides — TE, TM modes (Unit-3) → Potential formulation gauge transformations.	"
06 Oct to 11 Oct	Coulomb and Lorentz gauge, Retarded potentials, Kienard-Wiechart potentials & fields.	"
13 Oct to 18 Oct	Dipole radiation as electric and magnetic dipole radiations, Total power radiated by moving charge.	"
19 Oct to 26 Oct	Diwali Break (Assignment)	—
27 Oct to 01 Nov	Larmor's formula and it's relativistic generalization, Radiation reaction. (House Test)	Test method.
03 Nov to 08 Nov	Larmor's formula, radiation reaction. (Unit-4) → Special Th. of relativity	Lecture method
10 Nov to 15 Nov	Lorentz transformation and basic kinematic results, Structure of space time.	"
17 Nov to 22 Nov	Four vectors and Lorentz trans. in 4-D space, Mathematical Properties of space-time of relativity	"
24 Nov to 01 Dec	Electromagnetic field tensor, covariance of ED under Lorentz Transformations.	"

Reference Books:- (i) D. J. Griffiths

(ii) S. P. Puri

(iii) ~~chatter~~ Upadhyay. (for relativity)

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ...M.Sc. 2nd (3rd sem)... Subject ...Physics of Nano-material... Lecturer Name ...M.S. Babila Dr. Indu

Course objectives ...Student will understand about Nano-material

Week	Topics	Methodology
01 Aug - 2 Aug	Review of density of state : Free electron theory and its features Idea of band structure, Metal insulators and semiconductors	Lecture method
04 Aug to 09 Aug	Concept of effective mass, DOS in Bands, variation of DOS with energy, variation of DOS and band gap with size of crystal.	Lecture method
11 Aug to 14 Aug	Electronic structure from Bulk and quantum dot, Electronic state in direct and Indirect Semiconductor Nano-crystal	Lecture method
18 Aug to 23 Aug	Excitions in direct and indirect band gap semiconductor. Reduced density system: quantum confinement	Lecture method
25 Aug to 30 Aug	Electron configuration in one, two and three dimensional infinity deep squre well potential, DOS and optical absorption in quantum well	Lecture method
01 Sept to 06 Sept	Quantum wires: electron wave function and energy, DOS, quantum dots.	Lecture method
08 Sept to 13 Sept	Electron wave function and energy, DOS, idea of hetero junction LED, Quantum well Laser	Lecture method
15 Sept to 20 Sept	Quantum dot Laser, coulomb blocked and single electron Transistion.	Lecture method

Week	Topics	Methodology
22 Sept to 27 Sept	Bottom up and down, Approaches for synthesis of Nano material, Synthesis of zero dimentional Nano particles, Sol-Gel process	Lecture method
29 Sept to 04 Oct	Synthesis inside Micelles or using micro-emulsions and growth termination, Epitaxial core Shell nanoparticle, Ball milling.	Lecture method
06 Oct to 11 Oct	One-dimensional nanostructure, VLS or SLS growth and size control, Electrochemical deposition	Lecture method
13 Oct to 18 Oct	Lithography, two-dimensional Nanostructure (Thin films & quantum wells), MBE, MOCVD	Lecture method
19 Oct to 26 Oct	Diwali Break	—
27 Oct to 01 Nov	House test	Test method
03 Nov to 08 Nov	Cluster beam evaporation, Ion-beam deposition, Chemical Bath Deposition technique, Effect of particle size and strain on width of XRD.	Lecture method
10 Nov to 15 Nov	Determination of crystal size and strain in nanoparticle, using Debye Scherrer and williamson-Hall's Plot Transition electron microscopy.	Lecture method
17 Nov to 22 Nov	Basic principle, Brief idea of setup Sample preparation, imaging modes (Dark and bright field) Shift in PL peaks with particle size	Lecture method
24 Nov to 01 Dec	Determination of Alloy composition in thin film of compound semiconductor Estimation for width of quantum wells, Raman spectroscopy, Basis principle and idea	Lecture method

Reference Books:- Introduction of Nanotechnology (C.P. Poole)
Nanotechnology - An introduction (J.J Ramsden

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Elsevier

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .....M.Sc. I (I st) Subject ....Real Analysis-I Lecturer Name ...Ms. Shalu

Course objectives .... 1) Understand the concepts of continuity, uniform continuity and their related theorems. ii) Describe the concepts of limit , continuity and differentiability of real valued function of two variation iii) Explain maxima and minima and saddle points

Week	Topics	Methodology
01 Aug - 2 Aug	Unit - 1 :- continuity, sequential continuity properties of continuous functions,	Lecture Method
04 Aug to 09 Aug	uniform continuity, chain rule of differentiability, mean value theorems, Rolle's theorem	"
11 Aug to 14 Aug	Lagranges theorem mean value theorem and their geometrical interpretations. Taylor's theorem	"
18 Aug to 23 Aug	with various forms of remainders. Darboux intermediate value theorem for derivatives, Reduction	"
25 Aug to 30 Aug	formulae. Rectification, intrinsic equations of curve.	"
01 Sept to 06 Sept	Unit - II :- Limit and continuity of real valued functions of two variables.	"
08 Sept to 13 Sept	Partial differentiation. Total differentials, Composite functions & implicit functions	"
15 Sept to 20 Sept	change of variables Homogeneous functions	"

Week	Topics	Methodology
22 Sept to 27 Sept	Euler's theorem on homogeneous functions.	"
29 Sept to 04 Oct	Taylor's theorem for functions of two variables.	"
06 Oct to 11 Oct	unit – III :– Differentiability of real valued functions	"
13 Oct to 18 Oct	of two variables. schwarz and Younge theorem	"
19 Oct to 26 Oct	Diwali Break Assignment	"
27 Oct to 01 Nov	Implicit function theorem Maxima, minima and saddle point of two variables	"
03 Nov to 08 Nov	Lagrange's method of multipliers Jacobian.	"
10 Nov to 15 Nov	unit – IV :– Riemann integral, integrability of continuous and	"
17 Nov to 22 Nov	monotonic functions. The fundamental theorem of integral calculus.	"
24 Nov to 01 Dec	Mean value theorems of integral calculus.	"

Reference Books:- S.C Malik : Mathematical Analysis, Wiley Eastern.

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. II (I st) Subject Operations Research Techniques Lecturer Name Ms. Shal

Course objectives ....
This course is aimed to develop the optimizate techniques that will be useful in personal and professional e Illustrate formulation of LPP simplex method, transportation and assignment problems

Week	Topics	Methodology
01 Aug - 2 Aug	Operations Research:- Origin, definition and its scope	Lecture Method
04 Aug to 09 Aug	Linear Programming, Formulation and solution of linear programming problems by Graphical methods	"
11 Aug to 14 Aug	Programming formulation by simplex methods, Big M and Two phase methods, Degeneracy	"
18 Aug to 23 Aug	Duality in linear programming Transportation Problems:- Basic feasible solutions. Optimum	"
25 Aug to 30 Aug	solutions by stepping stone and modified distribution methods	"
01 Sept to 06 Sept	unbalanced and degenerate problems, trans-shipment problem Assignment problems	"
08 Sept to 13 Sept	solution by Hungarian method, unbalanced problems, case of maximization travelling salesman	"
15 Sept to 20 Sept	case assignment problems. Queuing models:- Basic components of queuing system	"

Week	Topics	Methodology
22 Sept to 27 Sept	Basic components of a queuing system, General birth – death equation	''
29 Sept to 04 Oct	steady state solution of Markovian queuing models with single and multiple server	''
06 Oct to 11 Oct	M/M/I and M/M/C models having limited and infinite capacity Machine serving model	''
13 Oct to 18 Oct	(M/M/R) (K/GD) K>R, Erlang family distribution with k Phases : M/Ea/I	''
19 Oct to 26 Oct	Diwali Break Assignment	
27 Oct to 01 Nov	Inventory Control models:– Economic order quantity (EOQ) model with uniform demand	''
03 Nov to 08 Nov	and with different rates of demands in different rates of	''
10 Nov to 15 Nov	demands in different cycles; EOQ when shortages are allowed, EOQ with uniform replenishment	''
17 Nov to 22 Nov	Inventory control with price breaks	''
24 Nov to 01 Dec	———Revision———	''

Reference Books:-
   H.A Taha, Operation Research – An Introduction.

Lecturer   HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Sc. II (III rd) Subject ...Topology   Lecturer Name ...Mr Shabu

Course objectives .... This course is aimed to introduce the basic definitions and standard examples of topological spaces, illustrate a variety of topological properties such as like compactness, connected and separation axioms. Explain ideas of topological equivalence.

Week	Topics	Methodology
01 Aug - 2 Aug	Unit-I :- Definition and examples of topological spaces, closed sets, dense subsets. Neighbourhoods	lecture method
04 Aug to 09 Aug	Interior, exterior and boundary points of a set. accumulation points and and derived sets. Bases and sub-bases	"
11 Aug to 14 Aug	Subspaces and relative topology Alternate methods of defining	"
18 Aug to 23 Aug	a topology. Alternate methods of defining a topology in terms of Kuratowski Closure operator.	"
25 Aug to 30 Aug	unit - II :- continuous functions and homeomorphism	"
01 Sept to 06 Sept	Homeomorphism, Connectedness on real lines.	"
08 Sept to 13 Sept	Components, locally connected spaces.	"
15 Sept to 20 Sept	Continuous functions and Homeomorphism	"

Week	Topics	Methodology
22 Sept to 27 Sept	Unit - III :- Compactness, compact sets, Basic properties of compactness.	"
29 Sept to 04 Oct	Compactness and finite Intersection property. Sequentially and countably compact Sets.	"
06 Oct to 11 Oct	Local compactness and one point compactification Stone-cech compactification	"
13 Oct to 18 Oct	Compactness in metric spaces. Equivalence of compactness, countable compactness and sequential compactness in metrices	"
19 Oct to 26 Oct	Diwali Break Assignment	
27 Oct to 01 Nov	Unit - IV :- first and second countable spaces. Lindelofs theorem	"
03 Nov to 08 Nov	seperable spaces. Second countability and seperability. seperation axioms T_0, T_1 and T_2 spaces	"
10 Nov to 15 Nov	Their characterisation and basic properties. Baire category theorem for locally compact Hausdoff	"
17 Nov to 22 Nov	spaces. Urysohn's lemma and Tietze extension theorem T_3 and T_4 spaces. Complete	"
24 Nov to 01 Dec	regularity and complete normality $T_{3/2}$ and T_3 spaces	"

Reference Books:-
  J.R. Munkers, Topology.

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem *B.SC. III.(V)*   Subject *Statics & Dynamics* Lecturer Name *Dr. Mohini /Ms Shalu*

Course objectives *Students will learn about friction, centre of gravity, virtual work, forces in 3 dimensions, Poinsot's central ax wrenches, null lines and planes, conservative and Impulsive forces, vector ang velocity, etc.*

Week	Topics	Methodology
01 Aug - 2 Aug	Friction, centre of gravity	Lecture Method
04 Aug to 09 Aug	Virtual work	"
11 Aug to 14 Aug	Forces in three dimensions	"
18 Aug to 23 Aug	Poinsot's central axis	"
25 Aug to 30 Aug	Wrenches, Null lines and Planes	"
01 Sept to 06 Sept	Definitions of conservative forces and Impulsive forces.	"
08 Sept to 13 Sept	Projectiles motion of a particle in a plane.	"
15 Sept to 20 Sept	Vector angular velocity	"

Week	Topics	Methodology
22 Sept to 27 Sept	Revision and Doubt discussion of half syallabus.	"
29 Sept to 04 Oct	General motion of a rigid body: central orbits.	"
06 Oct to 11 Oct	General motion of a rigid body: Kepler laws of motion.	"
13 Oct to 18 Oct	Discussion about doubts of rigid body.	"
19 Oct to 26 Oct	Diwali Break Assignment	"
27 Oct to 01 Nov	House Test syllabus revision, Doubt discussion, House Test.	"
03 Nov to 08 Nov	Motion of a particle in three dimensions.	"
10 Nov to 15 Nov	Problem discussion of unit IV.	"
17 Nov to 22 Nov	Revision	"
24 Nov to 01 Dec	Revision and Doubt discussion of whole syllabus and Final test of whole syllabus.	"

Reference Books:- Statics and Dynamics Jeevansons Publications.

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem B.A.III.(V)   Subject Statics & Dynamics Lecturer Name Dr. Dipti / Mr. Srabu Yadav

Course objectives ..Students.. will learn about friction, centre of gravity, virtual work, forces in 3 dimensions, Poinsot's central ax wrenches, null lines and planes, conservative and Impulsive forces, vector ang velocity, etc.

Week	Topics	Methodology
01 Aug - 2 Aug	Friction, centre of gravity	Lecture Method
04 Aug to 09 Aug	Virtual work	"
11 Aug to 14 Aug	Forces in three dimensions	"
18 Aug to 23 Aug	Poinsot's central axis	"
25 Aug to 30 Aug	Wrenches, Null lines and Planes.	"
01 Sept to 06 Sept	Definitions of conservative forces and Impulsive forces.	"
08 Sept to 13 Sept	Projectiles motion of a particle in a plane.	"
15 Sept to 20 Sept	Vector angular velocity	"

Week	Topics	Methodology
22 Sept to 27 Sept	Revision and Doubt discussion of half syallabus.	٧
29 Sept to 04 Oct	General motion of a rigid body: central orbits.	٧
08 Oct to 11 Oct	General motion of a rigid body: Kepler laws of motion.	٧
13 Oct to 18 Oct	Discussion about doubts of rigid body.	٧
19 Oct to 26 Oct	Diwali Break Assignment	٧
27 Oct to 01 Nov	House Test syllabus revision, Doubt discussion, House Test.	٧
03 Nov to 08 Nov	Motion of a particle in three dimensions.	٧
10 Nov to 15 Nov	Problem discussion of unit IV.	٧
17 Nov to 22 Nov	Revision	٧
24 Nov to 01 Dec	Revision and Doubt discussion of whole syllabus and final test of whole syllabus.	٧

Reference Books:- Statics and Dynamics Jeevansons Publications.

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ..BA III (IV).. Subject ..Differential Equations-I.. Lecturer Name ..Dr. ANJU RANI..

Course objectives .....Students.... will learn about Differential ~~Equation~~ Sn of first order but not of first degree, Linear DTH Sn's & first order Linear partial DTH-Sn.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction of Differential Equations CH① Exact Differential Equations Exercise 1.1 , Problems	BlackBoard & Chalk
25 Aug to 30 Aug	Exercise 1.2 , 1.3, 1.4, 1.5, 1.6 Do Examples and taking Problems	BlackBoard & Chalk
01 Sept to 06 Sept	Revise CHAPTER - I and taking problems and Test	Chalk & Blackboard
08 Sept to 13 Sept	CH② Equations of first-order but not of first Degree CH③ Equations of first order But Not of first Degree	Chalk & Blackboard
15 Sept to 20 Sept	CH④ Orthogonal Trajectories taking Problems & Test (CH①②②)	Chalk & Blackboard

Week	Topics	Methodology
22 Sept to 27 Sept	CH.(5) Linear differential Equation with Constant Co-efficients CH (6) Cauchy Euler Equations	Chalk & Blackboard
29 Sept to 04 Oct	CH.(7) Linear Differential Equations of second order with variable coefficient taking Problems & Tc, (3) (4)	Chalk & Blackboard
06 Oct to 11 Oct	CH (8) Ordinary Simultaneous Differential Equations taking Problems Test (5)	Chalk & Blackboard
13 Oct to 18 Oct	CH (9) Total Differential Equation Do Exercises, taking Problems Test (6)	Chalk & Blackboard
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	CH.(10) First order Linear Partial Differential Equation Test of CHAPTER (7) & (8)	Chalk & Blackboard
03 Nov to 08 Nov	CH (11) First order Non Linear Partial Differential Equations and taking Problems	Chalk & Blackboard
10 Nov to 15 Nov	CH (12) Second order Linear Partial Differential Equations with Constant coefficients, taking Problems	Chalk & Blackboard
17 Nov to 22 Nov	Revise CHAPTER 1, 2, 3, 4, 5, 6 taking Problems and Test	Chalk & Blackboard
24 Nov to 31 Dec	Revise 7, 8, 9, 10, 11, 12 taking Problems and Test	

Reference Books:- Elements of Differential Equations - I Jeevansons Publications

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .M.SC(P).,Sem-I Subject .Mathematical Lecturer Name .DR. MOHINI
                                        Statistics

Course objectives .In. this. paper, students get the knowledge of Probability and Standard statistical Distributions. Introduce concept of testing of Hypothesis.The subject Helps the students to develop interest in the research in applied Mathematics.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction session about statistics, defn of Probability, some examples, statistical Approach and axiomatic of addition Theorem examples, Boole's inequality and Theorems.	Chalk & Board
25 Aug to 30 Aug	Conditional Probability with examples, ex. of Multiplication Theorem, Other theorems related to conditional Probability, Independent events, examples, Problem Discussion	"
01 Sept to 06 Sept	Baye's Theorems and its examples, Test of Unit-I, Application of Baye's Theorem, Random variable, Discrete & continuous random variables, examples. Problem Discussion	"
08 Sept to 13 Sept	Probability mass and density function with examples, Distribution function, Examples, Joint, marginal and conditional distribution, Mathematical expectation, Problem Discussion	"
15 Sept to 20 Sept	Properties of Mathematical Expectation with examples, Variance, Co-variance, Theorems, Problem Discussion of Unit-I, II	"

Week	Topics	Methodology
22 Sept to 27 Sept	Moment generating function and some Theorems, Discrete distribution and properties with examples, Binomial distribution & its properties with examples.	Chalk & Board
29 Sept to 04 Oct	Poission Distribution, Its properties with examples, some Theorems on expectation, Test of unit-2, Problem Discussion.	"
06 Oct to 11 Oct	Continuous Distribution, meaning, uses example. Uniform Distribution, def^n, Properties, articles, Normal Distribution Problem Discussion.	"
13 Oct to 18 Oct	Normal Distribution, Examples, Theorems, properties derivation. t-test, chi-square test with examples. F-Test: Articles, examples, Problem Discussion	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test syllabus revision. House Test.	"
03 Nov to 08 Nov	Gamma Distribution; meaning, properties, articles, Theorems. Exponential Distribution: meaning, uses, & Properties. problem Discussion	"
10 Nov to 15 Nov	Chebychev's inequality with examples, Central limit theorem (statement + proof), weak law of large numbers, Problem Discussion of Unit-3. Point + Interval estimation with examples.	"
17 Nov to 22 Nov	Unbiasedness, Consistency, Efficiency, Sufficiency : Meaning + examples. Testing of Hypothesis; Null and Alternate Hypotheses with examples. Simple and composite with example.	"
24 Nov to 01 Dec	Types of errors with examples, level of significance, Power of test: meaning, examples, one tailed and two tailed test. Revision of syllabus.	Chalk and Board

Reference Books:- Fundamentals of Mathematical Statistics by S.C Gupta and V.K Kapoor

Mohini

Lecturer

Dipti

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .!!S((F.), Sem-III Subject Discrete. Mathe- Lecturer Name DR. MOHIN -matics

Course objectives .The .course. objective is to provide students with an ov of discrete mathematics, and its connection with real world problems. will learn about topics such as logics and Proofs, recursion, graph Boolean Algebra, lattice and other important discrete math concep

Week	Topics	Methodology
01 Aug - 2 Aug	Int	
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction of Discrete Mathematics, Formal logic statements, and examples. learn how to make truth table of given statements.	Chalk and Board
25 Aug to 30 Aug	Symbolic representation and Tautologies, Quantifier, Predicate and Validity with examples, Propositional logic with examples, Pigenhole Principal, examples.	"
01 Sept to 06 Sept	Principal of inclusion and exclusion with examples, Disarrangement, Problem Discussion of Unit -3.	"
08 Sept to 13 Sept	Lattice - lattice as partially ordered set & examples, Properties of lattice with examples Join irreducible elements, Lattice as Algeb-raic systems and sublattice. Direct Product	"
15 Sept to 20 Sept	Homomorphism with examples, some other special lattice with examples, Atoms and Antoms. Graph Theory introduction, Definition, basic concepts, Special graphs.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Theorems of Graph Theory, examples, Subgraph, isomorphism of graphs, Walk, Path, circuit with examples, Eulerian path, Doubt Discussion.	Chalk and Board
29 Sept to 04 Oct	Hamiltonian circuits, Matrix representation of graphs with examples, Planer graphs, coloring of graphs with examples, Directed graph with examples. Problem Discussion	"
06 Oct to 11 Oct	Trees, Types of Trees with examples, Isomorphism of trees, Representation of Algebraic expression by Binary Trees, Spanning tree, examples, Test	"
13 Oct to 18 Oct	Shortest path Problem, Minimal spanning tree with examples, Trees Problem Discussion, Cut sets, Tree searching with examples. Problem Discussion of Unit-2.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Syllabus revision of House Test, House Test.	"
03 Nov to 08 Nov	Boolean Algebra: Definition, examples, Boolean Algebra as lattice examples, Boolean Identities, The switch Algebra-Defn, meaning, examples, Problem Discussion	"
10 Nov to 15 Nov	Sub Algebra, Direct Product and Homomorphism, Boolean forms and their equivalence, Minterm Boolean Algebra, sum of Product canonical forms with examples, Test.	"
17 Nov to 22 Nov	Minimization of Boolean function, Application of Boolean Algebra, The Karnaugh Map method, sum of Product canonical form, Problem Discussion	"
24 Nov to 01 Dec	Full revision of syllabus, logical statements, final Test.	Chalk and Board

Reference Books:- Elements of Discrete Mathematics

Maline

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ..MSc.M.(I)... Subject ..Ordinary Diff Equations... Lecturer Name ..Dr. Diptti / Dr. Mohin...

Course objectives ..In this.. paper, students get the Knowledge of Initial value problems, Sturm theory, fundamental set of Sol", Wroksble kl") , Critical kl's and Introductory Non linear Diff Eq". This subject helps the students develop Interest In the research on ordinary Diff. Eq".

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Introduction of Unit-1 - Initial value problem and equivalent Integral Eq". Lipschtz Conditions, Picard Fundamental existence	Chalk & Board
25 Aug to 30 Aug	Uniseness the" for $\frac{dy}{dt} = f(t,y)$ Dependence of Sol"s on initial Condition and parameters. Sol". of initial Value problems by picard method.	,,
01 Sept to 06 Sept	Sturm Theory: Adjoint system, self → Adjoint Eq"s of the second order. Abel's formulas Sturm Separation and comparison Theorems.	,,
08 Sept to 13 Sept	Lagrange's Identity and Green's formula for second order Diff. Eq"s Complete Unit-1 . Start Unit-2	,,
15 Sept to 20 Sept	Definition of Linear System, Matrix Method for homogeneous first order system of linear diff. Eq"s fundamental set of Sol", fundamental matrix of sol"s	,,

Week	Topics	Methodology
22 Sept to 27 Sept	Wronskian of sow's, Basic theory of the homogeneous linear system, Abel-Lioville formulae, Non homogeneous linear system.	Chalk & Board
29 Sept to 04 Oct	SLBVP, Properties of eigen values and eigen functions, Prüffer transformation. Doubt of Unit-2. Test of Unit-1	"
06 Oct to 11 Oct	Start Unit-3. Define Nonlinear diff. Systems, Phase plane, Path, Critical pt's, Autonomous systems, Isolated Critical pt's, Path approaching a critical pt.	"
13 Oct to 18 Oct	Path entering a critical pt, Types of critical pt's - Center, Saddle pt's, Spiral pt's, Node pt's, Stability of critical pt's, Asymptotically stable pt's.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Unstable pt's, Critical pt and paths of linear systems. Almost linear systems Doubt of Unit-3. Test of Unit-3	"
03 Nov to 08 Nov	Introduction of Non linear conservative dynamical system, Dependence on a parameter, Liapunov function and Liapunov's method to determine	"
10 Nov to 15 Nov	Stability for nonlinear systems Periodic solutions and Floquet theory for periodic systems, Limit cycles	"
17 Nov to 22 Nov	Bendixson non-existence theh, Poincare - Bendixson theh (Statement only), Index of a critical pt.	"
24 Nov to 01 Dec	Doubt of Unit-4. Test of Unit-3	"

Reference Books:- Simmons G.F. Differential Equations, Somasundaram D, Ordinary Diff^n Eq^n "

Dipti
Lecturer

Dipti
HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem ...MSc I (Sem-I)... Subject ..Mechanics.. Lecturer Name ...Dr. Dipti.

Course objectives ...In this paper, Students get the Knowledge of Mo of Inertia, Langrange's Eqⁿ for a simple holonomic dynamical system, Hamilton's Variables, Donkin Theⁿ, Attraction & potential of a rod and Surfaces & Solid harmonics. This subject helps the students to develop Interest in the research Mecha

Week	Topics	Methodology	
01 Aug - 2 Aug			Mecha
04 Aug to 09 Aug			
11 Aug to 14 Aug			
18 Aug to 23 Aug	Introduction of Moments and products of Inertia, Theⁿ. of Malaxis. Theorem of Lar axis, Angular momentum of a rigid body about a fixed pt. and about a fixed axis	Chalk & Board	
25 Aug to 30 Aug	Principle axis, K.E of a rigid body rotating about a fixed pt. Taking Doubts. Complete Unit-1. Introduction of Unit-2.	(i)	
01 Sept to 06 Sept	Generalized Co-ordinates. Holonomic and Non-holonomic systems, Scleronomic and Rhenomic systems. Lagrange's Eqⁿ for a simple holonomic dynamical system.	"	
08 Sept to 13 Sept	Lagrange's Eqⁿ. for Conservative and Impulsive forces. K.E of a quadratic functions of velocities. Generalised potential energy Eqⁿ for Conservative fields.	"	
15 Sept to 20 Sept	Hamilton's Canonical Variables, Donkin's Theⁿ, Hamilton Canonical Eqⁿ. Cyclic Co-ordinates, Rouths procedure	"	

Week	Topics	Methodology
22 Sept to 27 Sept	Taking doubts. Unit-2 complete. Taking doubts. Introduction of Unit-3 Define Poisson Bracket. Hamilton's Principle	Chalk & Board
29 Sept to 04 Oct	Principle of least action. Poincare Cartan Integral Invariant, Whittekar's Eq^n. Jacobi Eq^n.	"
06 Oct to 11 Oct	The^n of Lee - Huwa - Chung. Method of separation of variables, Lagrange Brackets, canonical transformation.	"
13 Oct to 18 Oct	Condition of Canonical character of a transformation. Lagrange's Brackets & Poisson Brackets Invariance of Lagrange & Poisson Brackets under Canonical transformation	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Unit-3 Complete. Test of Unit-1, Unit-4 Start Introduction of Gravitation. Attraction and potential of rod, disc. Spherical shells and sphere.	"
03 Nov to 08 Nov	Laplace and Poisson Eq^n. Work done by Self attracting Systems, Distribution for a given potential, Equipotential Surfaces. Test of Unit-2	"
10 Nov to 15 Nov	Surfaces and solid harmonics. Taking doubts, Surface density in terms of Surface harmonics	"
17 Nov to 22 Nov	Taking doubts, Unit 4 complete Unit-3 & Taking test Unit-2	"
24 Nov to 01	Taking doubts. Board Presentation. Viva	Chalk & Board

Reference Books:- Herbert Goldstein & David Morin F.B Hildebrand.

Dipti

Dipti

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .M.Sc.II (III)   Subject ..Mechanics of Solids-I   Lecturer Name ..Dr. Dipti

Course objectives .In...this...paper, Students get the knowledge of Cartesian tensor, Tensor Invariants, Stress vector, Strain Invariant, & Hooks law. This subject helps the students to develop Interest in the research in Mechanics of Solids-I

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug		
18 Aug to 23 Aug	Start Unit-1 Introduction of Cartesian tensor and Cartesian tensors of different order. Properties of tensor.	Chalk & Board
25 Aug to 30 Aug	Symmetric and Skew-Symmetric tensors. Isotropic tensors of different order. Taking doubts. Tensor Invariants. Eigen Values & Eigen vectors of a second order tensor.	"
01 Sept to 06 Sept	Scalar vector, tensor fun^n, Gradient, Divergence and Curl of a tensor field, Complete Unit-1	"
08 Sept to 13 Sept	Start Unit-2. Introduction of Stress, Stress vector, Stress components, Cauch Eq^n for equilibrium, Stress tensor.	"
15 Sept to 20 Sept	Symmetry of Stress tensor. Stress quadric of Cauchy, Principal Stress and Invariants. Test Unit-2	"

Week	Topics	Methodology
22 Sept to 27 Sept	Maximum normal and Shear stress Examples and Theorems based on stress Taking doubts. Test Unit-2. Unit-3 Start	Chalk & Board
29 Sept to 04 Oct	Introduction of Analysis of strain. Affine transformation. Infinitesimal affine transformation, Geometrical Interpretation of the components of strain	"
06 Oct to 11 Oct	Strain of Quadric of Cauchy, Principal strains and Invariants, General Infinitesimal deformation.	"
13 Oct to 18 Oct	Saint - Vanant's Eq. of Compatibility Taking doubts. Mohr's diagram. Finite deformation, Examples of Uniform dilatation.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Simple Extension. Shearing strain, Complete Unit-III Taking doubts Start Unit-4. Introduction of elasticity	"
03 Nov to 08 Nov	Hook's Law and Its generalization Hooke's law in medium with one plane of symmetry. orthotropic and transversely isotropic medium	"
10 Nov to 15 Nov	Homogeneous Isotropic Medium, Elastic Moduli for Isotropic Medium Equilibrium and dynamic Eq. for an isotropic elastic Solid	"
17 Nov to 22 Nov	Beltrami- Michell Compatibility Eq. Strain energy fun. Taking doubts, Clapeyron's Theo. Saint	"
24 Nov to 01 Dec	Venant's Principle Taking doubts. Test (statement only) of Unit-1. Test of Unit-2 Board Presentation & viva.	"

Reference Books:- Dr. H.J. Shah &

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HOD

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .M.A.: 1st   Subject Western Political Lecturer Name Dr. Dimple Aggarwal
Thought
Course objectives To understand how political thought developed in respons
to social, economic and historical change. ② provide clarity on key concept
like Justice, liberty and state ③ develop critical thinking to analyze
their relevance to contemporary politics

Week	Topics	Methodology
01 Aug - 2 Aug	Syllabus Discussion. Impact of Scorates over Plato's Philosophy	Lecture
04 Aug to 09 Aug	Critically explain the Plato's theory of Justice, Education, communism of Property and Theory of Philospher King.	"
11 Aug to 14 Aug	Discuss Plato's concept of the Ideal state Explain the life, works and methodology of Aristotle. Critically explain the Aristotle's theory of Justice, and Education.	"
18 Aug to 23 Aug	Explain views of Aristotle regarding Property, Family, slavery, citizenship, law and Sovereignty, and origin of the state.	/ "
25 Aug to 30 Aug	Discuss the classification of constitution done by Aristotle, Discuss the life sketch and works of st. Augustine and main political ideas of st. Augustine.	"
01 Sept to 06 Sept	Discuss the political Ideas of st. Thomas Acqui -nas. Theory of the origin of the state, His Contribution in the field of political Thought.	"
08 Sept to 13 Sept	Describe the life-sketch of Machiavelli, his views regarding human nature, religion, morality, state. Discuss, Machiavelli was child of this time.	"
15 Sept to 20 Sept	Discuss machiavelli was the Modern thinker of his age. Doubt session, Unit Test.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Critically Explain the Hobbe's views regarding the human Nature, Theory of the origin of the state. Natural rights as stated by hobbes.	Lecture
29 Sept to 04 Oct	Explain, Hobbes is the father of Philosophy, and the supporter of absolute Sovereignty. Discuss	"
06 Oct to 11 Oct	Explain the Theory of social contract of Locke, Theory of Natural Law, features of State, Discuss the Philosophy of Locke. Doubt Class	"
13 Oct to 18 Oct	Social Contract Theory, General will, Theory and popular sovereignty Theory His views on Science and modernity. Class - Test	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Explain the views of Bentham on utilitarianism, Political Ideas and he was not a Political Philosopher but a Political reformist. Doubt Class	"
10 Nov to 15 Nov	Critically Explain the utilitarianism of mill. Views on freedom, Democracy, views on Representative Government.	"
17 Nov to 22 Nov	Explain the contribution of mill in the field of Political Philosophy. Revision Class Class Test	"
24 Nov to 01 Dec	Objective Questions Viva	"

Reference Books:- History of Political Thought by Dr. Prabhudut Sharma

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem M.A. 1ˢᵗ.   Subject Indian Government and Politics Lecturer Name Dr. Dimpal Aggarwal

Course objectives ..Understand the Indian Government and Historical background of Indian Constitution assembly and detailed discussion of Indian Constitution.

Week	Topics	Methodology
01 Aug - 2 Aug	Syllabus Discussion	Lecture
04 Aug to 09 Aug	develop basic understanding of Constituent assembly Composition & working discuss Sources of Indian Constitution Philosophical foundation of Constitution Framing of Indian Constitution	¹⁾
11 Aug to 14 Aug	Fundamental rights discussion Importance of fundamental rights Comparative study of F R and D P S P VIVA	¹⁾
18 Aug to 23 Aug	Directive Principles of State policy Fundamental duties & Amendment Procedures class Test Unit I	¹⁾
25 Aug to 30 Aug	Understand the Centre-state Relations, importance of federalism Emerging issues in federalism	¹⁾
01 Sept to 06 Sept	discuss the areas of conflict in India, deep understanding of Sarkaria Commission & its recommendation	¹⁾
08 Sept to 13 Sept	Discuss the demands of States for state autonomy Doubt clearing class & class Test	¹⁾
15 Sept to 20 Sept	Discuss the President of India his Tenure, Qualification, Powers etc.	¹⁾

Week	Topics	Methodology
22 Sept to 27 Sept	Understand the formation of Council of ministers, Prime minister, Governor & chief minister	Lecture
29 Sept to 04 Oct	Comparative study of President & Governor. Comparative study of Prime minister and chief minister	,,
06 Oct to 11 Oct	Their pm & cm changing Role and their institutions. Parliament, composition & Powers	,,
13 Oct to 18 Oct	Parliamentary committees understanding Doubt clearing class, Viva. Class Test Unit – II	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	,,
03 Nov to 08 Nov	Discuss Supreme Court Composition Historical background of Supreme Court, Supreme Court Power	,,
10 Nov to 15 Nov	High Court & Supreme Court comparative study discuss Judicial Review it's history	,,
17 Nov to 22 Nov	Judicial Review and Judicial Activism discussion and it's sources. Doubt class	,,
24 Nov to 01 Dec	Independence of Indian Judiciary and detailed discussion of Public Interest Litigation class Test U-IV	,,.

Reference Books:- Indian Government & Politics

Indian Government & Politics (Laxmi)

Dr. D.C. Tripathi
Dr. mamta Parekh

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. I.st   Subject Theories of Inter Lecturer Name ..Nitya..
                                              -national Relations
Course objectives .Comprehensive. knowledge about International theories , relevance of these theories , evolution of International Relations

Week	Topics	Methodology
01 Aug - 2 Aug	Discussion of syllabus Evolution of International Relations Nature and Scope of IR	Lecture
04 Aug to 09 Aug	Foundation of Idealism in IR core principle of Idealism in IR	))
11 Aug to 14 Aug	Doubt class objective Type Questions Unit I class Test Unit - I	))
18 Aug to 23 Aug	Origin of Realism , Morgenthau's Realism Theory & six principles of Realism.	))
25 Aug to 30 Aug	Criticism of Realism and begining of Neo-Realism	))
01 Sept to 06 Sept	Understand the concept of Balance of Power and Deterence.	))
08 Sept to 13 Sept	Disscuss the Origin of Liberalism mill and TH Green Ideas on liberalism ; Neo-Liberalism	))
15 Sept to 20 Sept	Doubt class objective Type Questions of Unit-2 class Test - Unit - II	))

Week	Topics	Methodology
22 Sept to 27 Sept	Detailed Understanding of European School of thought IR in English School of thought	,,
29 Sept to 04 Oct	Develop Understanding on Social Constructivism Doubt class	,,
06 Oct to 11 Oct	Objective Type Questions of Unit II Class Test of Unit III	,,
13 Oct to 18 Oct	Understand the critical Theory. features of critical Theory	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	,,
03 Nov to 08 Nov	Herbert Marcus & Jurgen Habermas ideas on Critical theory.	,,
10 Nov to 15 Nov	Detail Discussion on Feminism Evolution of Feminism All 3 waves of Feminism	,,
17 Nov to 22 Nov	Understand the Neo-Marxism Structural and Scientific Marxism	,,
24 Nov to 01 Dec	Doubt Class Objective Type Questions Unit IV Class Test Unit -IV	,,

Reference Books:- Theories & concepts of International Relationals (Himachal Pradesh University)

Nitya
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. 1st   Subject Public Administration Lecturer Name Pr. Mamta Wadhwa

Course objectives .Understand the basic Concepts and Principles of Public Administration. 2. Comprehend various approaches to the Public Admin 3- Understand the basis of organizational theories.

Week	Topics	Methodology
01 Aug - 2 Aug	Discuss the syllabus with students.	Lecture Method
04 Aug to 09 Aug	Meaning, Nature, scape and Importance of Public Administration.	''
11 Aug to 14 Aug	New Public Administration — Meaning, Development and Principles explained. Public & Private administration difference explained.	''
18 Aug to 23 Aug	Define Hierarchy, Span of Control and Unity of Command.	''
25 Aug to 30 Aug	Explain Co-ordination, Delegation and centralization & Decentralisa—	''
01 Sept to 06 Sept	Explain objective questions and Class test of Public Administration Will be taken.	''
08 Sept to 13 Sept	Explained Classical and Scientific management	''
15 Sept to 20 Sept	Define & Explained meaning Types and function of Bureaucracy	''

Week	Topics	Methodology
22 Sept to 27 Sept	Explain Human Relation and take the Doubt class of the students	'r
29 Sept to 04 Oct	Explain the topic of Decision making & Ecological.	'r
06 Oct to 11 Oct	Test of objective question of Unit 1 and Unit 2. Take the doubt classes of the students	'r
13 Oct to 18 Oct	Meaning, Basis & type of organisation of Management function and Role of Leadership and motivation.	'r
19 Oct to 26 Oct	Diwali Break	'c
27 Oct to 01 Nov	House Test	'r
03 Nov to 08 Nov	Explained the Control over Executive, Legislative and Judiciary and Ombudsman	'r
10 Nov to 15 Nov	Explain Lok Pal, Lok Aykta RTI and Right to Service Act.	'r
17 Nov to 22 Nov	Take the viva oral test and Prepare the Assesment. Explain the doubt of the students	''
24 Nov to 01 Dec	Revision work,	'r

Reference Books:- Public Administration (Himachal University)
Public Admin (Laxmi Publications)
N.K. Posi

Lecturer

Dr. Manish Wadhwa
HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A.T.(odd sem) Subject Governance & Lecturer Name Dr. Mamta wadhua
Public Policy.
Course objectives .... In India.'
Understand the concept, characteristics and significance of Public Policy.
understand the Role of organisation in policy making process
know about the current policies in India.

Week	Topics	Methodology
01 Aug - 2 Aug	Discuss The syllabus with students.	Lecture Method
04 Aug to 09 Aug	Meaning, Concept and dimension of Public policy.	''
11 Aug to 14 Aug	Characterstics, Norms and typologies of policy issues explained in the class.	''
18 Aug to 23 Aug	Explain the Logical and Internal Models of the Public Policy.	''
25 Aug to 30 Aug	Mixed Scanning approach and Public choice model will be explained among the students	''
01 Sept to 06 Sept	Discuss Short questions of unit I and 2. Over come the doubts of the students	''
08 Sept to 13 Sept	Explain how the Policy making and the constitutional frame work for policy making.	'
15 Sept to 20 Sept	Role of Non-offical in policy making will be explained.	

Week	Topics	Methodology
22 Sept to 27 Sept	Explain Cabinet, P.M.O and NITI Ayog.	Lecture Method
29 Sept to 04 Oct	Explain the problems in policy making and discuss the short questions.	"
06 Oct to 11 Oct	Take the doubt classes of the students	"
13 Oct to 18 Oct	Policy Agenda in India — Discuss Economy and environmental agendas.	"
19 Oct to 26 Oct	Diwali Break	"
27 Oct to 01 Nov	House Test	"
03 Nov to 08 Nov	Agenda of Poverty and population policies will be discussed among the students.	"
10 Nov to 15 Nov	Explain Health Policies. Take viva test of the students and give the assignment to the students	"
17 Nov to 22 Nov	Explain MNREGA & NHRM among the students.	"
24 Nov to 01 Dec	Revision work and Clear the doubt of the students	/

Reference Books:-

Lecturer

Dr Mamta Wadhwa
HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem .M.A I.st.   Subject Ancient. civiliza Lecturer Name Archana Maurya, Dr. Ruchi Vats

Course objectives The objective of course is to understand Different civilization of world including India

Week	Topics	Methodology
01 Aug - 2 Aug	Discussion of Syllabus pre and pre History ancient civilization of India.	Lecture Method
	Main features of stone Age.	
04 Aug to 09 Aug	Origin and Tool making of Palaeolithic mesolithic and Neolithic of ston age. origin of Agriculture and craft specialization of stone age.	))
11 Aug to 14 Aug	To Explain the origin of Harappan civilization. Town planning and socio, Economic Condition of Harappan civilization.	))
18 Aug to 23 Aug	Class Test- Unit I Revision Discussion of the mesopotamia civilization.	))
25 Aug to 30 Aug	Polity, Economic, Society, Religion and art of mesopotamia.	))
01 Sept to 06 Sept	Introduction of the Egypt civilization polity, society, economy and Religion of Egypt civilization.	))
08 Sept to 13 Sept	Art and Architecture of Egypt civilization.	))
15 Sept to 20 Sept	To Explain the vadic civilization of India	))

Week	Topics	Methodology
22 Sept to 27 Sept	Socio, polity economy and Religion of vedic civilization. CLASS·TEST— Unit-III, Revision	"
29 Sept to 04 Oct	Introduction of Greece civilization polity, society, Economy and Religion of Greece.	"
06 Oct to 11 Oct	To Explain the Rome polity society, Economy Religious and Art and Architecture of Rome.	"
13 Oct to 18 Oct	Discussion of the Chinese civilization Shang civilization and Socio–Ecomic Life of chinese — CLASS-Test unit test-III	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Revision and House test	"
03 Nov to 08 Nov	Origin of maya civilization Socio-Economy, polity, Religion and Art of maya civilizations.	"
10 Nov to 15 Nov	The Explain the Inca civilization Socio-Economy, polity, Religion and Science and technology of Inca	"
17 Nov to 22 Nov	Discussion of the Aztec civilization Socio-Economy, polity, Art and science of Aztec civilization.	"
24 Nov to 01 Dec	Revision whole syllabus and Unit test- IV Class test	"

Reference Books:- • Ancient civilizations — Dr Eric Brow
• civilizations in Ancient. _Nundled Day
ondia
in Ancient world— Albert maker

Ruchi
Archana Mawjer
Lecturer

Ruchi
HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A. I st......   Subject Medieval...... Lecturer Name Archana Maurya
civilizations   Dr. Ruchi Vats

Course objectives .To. understand medieval civilizations and analyse economy
culture and polity of medieval civilizations of India and Europe.

Week	Topics	Methodology
01 Aug - 2 Aug	Discuss of syllabus transition from Ancient to medieval society of Medieval Europe.	Lecture method
04 Aug to 09 Aug	Role of church in medieval Europe Rise of church and Organisation of church medieval Europe.	¦¦
11 Aug to 14 Aug	To Explain the nature, features and causes of Decline of European feadalism.	¦¦
18 Aug to 23 Aug	Revision Class-test unit test-I Discuss of trade and commerce	¦¦
25 Aug to 30 Aug	Introduction of Renaissance and Reformation of medieval Europe.	¦¦
01 Sept to 06 Sept	Significance and Impact of Scientific Revolution in medieval Europe.	¦¦
08 Sept to 13 Sept	Class test unit-II Revision Rise of Islam and Geographical condition of Arabian peninsula.	¦¦
15 Sept to 20 Sept	To Explain Socio - political, Economic and Religion background of Arab civilizations.	¦¦

Week	Topics	Methodology
22 Sept to 27 Sept	Introduction of Rise of Prophet muhammand.	,,
29 Sept to 04 Oct	Life and teaching of prophet muhammand.	,,
06 Oct to 11 Oct	To Explain Evalution of Islamic State.	,,
13 Oct to 18 Oct	Islamic society under Umayyad to Abbasid · Revision class test- unit- III	,,
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Revision and House test	,,
03 Nov to 08 Nov	To Explain transition from Ancient to medizval India	,,
10 Nov to 15 Nov	Iqatadari, mansabdari, Jagirdari and Jamidari system of sultanate and mughal.	,,
17 Nov to 22 Nov	Discuss of Religious challenges Bhakti and sufism movement in medieval India.	,,
24 Nov to 01 Dec	Revision whole syllabus Class test unit test-iv	,,

Reference Books:- Medieval civilizations- Jacques Le Goff
medieval India — satish chandra
Medieval world
civilizations — Sanjeev kumar
,- igadie

Archanavahya
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem M.A, ...1sem   Subject HISTORY....
(modern world)
Lecturer Name Dr. Ruchi Vats, MsM. Chana Maurya.

Course objectives To understand the modern phase of world history with partic reference to modern ideas with emphasis on Humanism.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction of the modern world. Discuss about the whole syllabus. Meaning of mercantillism.	Lecture Method.
04 Aug to 09 Aug	Causes of rise of mercantillism. Sailent features and ideology. Expansion and activities of various Countries. Decline and impacts.	"
11 Aug to 14 Aug	Meaning and definition of Capitalism Cause, growth, Development of Capitalism. Effect Non-Political revolutions and its meaning.	"
18 Aug to 23 Aug	Introduction of Agri cultural revolution. Causes. Expansion in Europe and other Countries. Class Test	"
25 Aug to 30 Aug	Technological Revolution and its progress. Industrial Revolution. meaning and definition. Scientific and technological background of revolutions	"
01 Sept to 06 Sept	Concept of Industrial revolution. Spread, Effects of economic, political social and Cultural. first Unit short answer type Questions.	"
08 Sept to 13 Sept	Causes of American revolution. Nature and effects of revolution. Revision.	"
15 Sept to 20 Sept	Introduction of french revolution. Causes- Social, political, Religious Events and Impacts. Nature.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Russian Revolution - its causes, events, impacts and nature. Class test, Topic discussion.	Lecture Method
29 Sept to 04 Oct	Chinese Revolution (1911-12) causes, events and impacts. 1931 Causes, events and impacts. 1949 causes, events and impacts.	''
06 Oct to 11 Oct	Concept of Imperialism, Geographic expansion in Asia and Africa. Decline and its impacts. Different Theories.	''
13 Oct to 18 Oct	Meaning and definition of Liberalism. Economic and non-economic development of Liberalism	''
19 Oct to 26 Oct	Diwali Break	''
27 Oct to 01 Nov	Revision of unit 1, 2 or 3. House Test.	''
03 Nov to 08 Nov	Unification of Italy and Germany. First world war. Origin and nature.	''
10 Nov to 15 Nov	Complete the concept of first world war. Peace settlement 1919 Treaty of versailles. Great depression (1929-33)	''
17 Nov to 22 Nov	Totalitarian Regimes- Fascism in Italy and Nazism in Germany. Nato, warsaw pact.	''
24 Nov to 01 Dec	Second World War, its causes, origin, nature and impacts. Cold war, Non-alignment movement. Problem - Solving session and viva.	''

Reference Books:- * D. Anthony Smith, The nation in history
* Ernest Gellener, Nation and Nationalism.
* E.J. Hobsbawn, The age of Revolution.

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.A., 1sem   Subject .HISTORY....   Lecturer Name.Dr. Ruchivats.
(History of Haryana)   Ms. Archana mour

Course objectives .To understand the regional history is explored through the study of Haryana from stone age to Sultanate age of India with historical events and changes.

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction about regional history. A brief discussion about the whole syllabus.	Lecture Method.
04 Aug to 09 Aug	A brief introduction of regional history Sources. Concept of sources ancient Haryana. Literary, archaeological and modern.	"
11 Aug to 14 Aug	Introduction of stone age. Palaeolithic age and its features. mesolithic age and its features.	"
18 Aug to 23 Aug	Concept of Neolithic age and its features, tools and Centres. Introduction of Harappan Civilization.	"
25 Aug to 30 Aug	Discovery of Harappan civilization. Age, founders and main sites. Town planning and life style. Decline of civilization.	"
01 Sept to 06 Sept	Vedic Civilization. Origin and development. Vedic literature state structure, Administrative system etc.	"
08 Sept to 13 Sept	Class Test of first Unit. Traditional History of Kurus. State formation. origin and development of Monarchy.	"
15 Sept to 20 Sept	The battle of Mahabharata, Background, event and historicity Rise of republics: Yaudheyas and Agras.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Introduction of Pushpabhutis Harshavardhana and his conquest administration and others. a brief history of Kunindas.	''
29 Sept to 04 Oct	Class Test of unit 2 Rise of new powers- Gurjara, Pratiharas, Tomars, chahmanas.	''
06 Oct to 11 Oct	The first battle of Tarain its causes and impacts. The second war of Tarain its causes and impacts. Revision.	''
13 Oct to 18 Oct	Revision of first unit. Sources of medieval history of Haryana. Literary, archaeological and foreign accounts.	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Discussion about the previous class Topics. House Test.	''
03 Nov to 08 Nov	Haryana on the eve of Turkish Invasion, causes, events and impact on Haryana.	''
10 Nov to 15 Nov	Short answer type Questions of unit 1 & 2. Concept of Meos and Rajputs.	''
17 Nov to 22 Nov	Introduce the provincial administration of sultanate period. Class Test.	''
24 Nov to 01 Dec	Revise the whole units. Problem Solving session. Viva	''

Reference Books:- * K.K. Gupta, Tribal History of India.
* S.C. Mittal, A Historical Perspective.
* H.A. Phadke, Ancient and Medieval.

Archana Mauik

Lecturer

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Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem M.A. 1 Sem   Subject HISTORY   Lecturer Name Dr. Ruchi Vats.

Course objectives To understand the meaning, scope, type of history with its importance and relation with other social sciences. (History and its Nuances)   Ms Archana Maurya

Week	Topics	Methodology
01 Aug - 2 Aug	Introduce the students about History and its nuances. Discuss the whole syllabus.	Lecture Method.
04 Aug to 09 Aug	Understanding the meaning of History, definition and Scope of History.	"
11 Aug to 14 Aug	Revise the previous question. Tools, Nature and concept of History.	"
18 Aug to 23 Aug	History relation with other Social sciences. Type and Area of History.	"
25 Aug to 30 Aug	I unit classTest different type of History - Political Social, Religious, economic; urban, art and architectural.	"
01 Sept to 06 Sept	complete the concept of idea of History. Tradition and Folk-lore. Short answer type Question	"
08 Sept to 13 Sept	Fundamentals of History. Problem of Periodization. complete the concept of History.	"
15 Sept to 20 Sept	Historical facts, Analysis and Interpretation, objectivity of History. Test.	"

Week	Topics	Methodology
22 Sept to 27 Sept	Discuss the previous units. Concept of importance of history	Lecture Method.
29 Sept to 04 Oct	Use and misuse of history. Idea of progress in history.	''
06 Oct to 11 Oct	Complete the previous question. Significance and truth in History.	''
13 Oct to 18 Oct	Revision of meaning and definition, scope, concept of History.	''
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	Revision of second unit. House Test	''
03 Nov to 08 Nov	Concept of different type of History.	''
10 Nov to 15 Nov	Fundamentals of History. Short answer type question of unit 3	''
17 Nov to 22 Nov	Short answer type Q. of unit - 4 Importance of History Revise.	''
24 Nov to 01 Dec	Problem solving session. Viva.	''

Reference Books:- B Ali Sheik, Its theory and Method.

Archana manar

Pinky

Lecturer

* E.H. Car, What is History.

* J. Gardiner, what is History today.

Pinky

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Com. I Sem Subject .O.B........ Lecturer Name M.S... Sheetal Bedia

Course objectives .Understand... the Conceptual framework of OB and behaviour of individuals in organisation in terms of Personality, learning attitude, values and preaptus, Comprehend Conflict and Change mgt in organizational Context.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug	Introduction of OB, concept, nature and Significance, Discipline Contributed to OB, Organizational theories	Lecture
18 Aug to 23 Aug	Organisational behaviour Model : Challenges and Opportunities for OB Revision	x
25 Aug to 30 Aug	Individual Dimensions of OB Unit-2 Introduction and Significance, Personality	4
01 Sept to 06 Sept	Learning, Attitude, Factor Influencing attitude development	1
08 Sept to 13 Sept	Attitude and OB, Values, Preception, Perceptual mechanism Managerial implication of preception.	1
15 Sept to 20 Sept	Unit - 2, Revise and Query Oral exam, written exam	1

Week	Topics	Methodology
22 Sept to 27 Sept	Unit - 3, foundation of Group behaviour, Concept and nature, Group dynamics, Formal and informal groups, Group cohesivness, T-A	Lecture
29 Sept to 04 Oct	Leadership: Concept, Leading and managing, leadership style, theories, Motivation	u
06 Oct to 11 Oct	Communication, Organisational Conflict, Level and Management	1
13 Oct to 18 Oct	Unit -3 Overay, Revision, Test	
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Unit - 4, Organisational effectivness, Concept, approaches, Org. Change.	u
10 Nov to 15 Nov	Resistance to Change, Change agents, Management of Change, Org. Depleovment	u
17 Nov to 22 Nov	Process and OD Interventor	1
24 Nov to 01 Dec	Presentation/ Assignment/ class Test Viva	

Reference Books:- Aswathappa, Himalya Pub. House, New Delhi
Prasad, L.N. , Sultan Chand & Sons, New Delhi

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Lecturer

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem ..M.Com I.. (Sem I)   Subject ..Constitutional Human and Moral Values and IPR.. Lecturer Name ...Vaishali

Course objectives "Learn the different constitutional values, Fundamental Right und duties enshrined in the Indian Constitution. ; Grasp the basic concepts of Moral Values and Professional Conduct which are required to become a Part of the Civil Society and for developing Professionalism.

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug	Historical perspective of Indian Constitution; Basic Values enshrined in the Preamble of the Indian Constitution.	Lecture
18 Aug to 23 Aug	Concept of Constitutional Morality / Patriotic Values and Ingredients Nation Building.	''
25 Aug to 30 Aug	Fundamental Rights and duties, Directive Principles of the state Policy.	''
01 Sept to 06 Sept	Humanism, Human Virtues and Civic Sense, Social Responsibilities of Human Beings.	''
08 Sept to 13 Sept	Ethical ways to deal with human aspirations., Harmony with society and nature	''
15 Sept to 20 Sept	Idea of International Peace and Brotherhood (Vasudhaiv Kutumbkam)	''

Week	Topics	Methodology
22 Sept to 27 Sept	Understanding Morality and Moral Values, Moral education and character Building	Lecture
29 Sept to 04 Oct	Ethics of Relations: Personal, Social and Professional, Introduction of Gender Sensitization.	"
06 Oct to 11 Oct	Affirmative approach towards weaker sections (SCs, STs, OBCs, EWS & DAs).	"
13 Oct to 18 Oct	Ethical Conduct in Higher education Institutions; Professional ethics. Revision and Test	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Meaning, origins and Nature of Intellectual Property Rights (IPRs): Different kinds of IPRs - Copyright	Lecture
10 Nov to 15 Nov	Patent, Trademark, Trade secret / Dress, Design, ·	"
17 Nov to 22 Nov	Traditional Knowledge; Infringement and offences of IPRs - Remedies and Penalties.	"
24 Nov to 01 Dec	Basics of Plagiarism Policy of UGC. Revision and Test	"

Reference Books:-

Lecturer   Vaishali

HOD   Neeru

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem. M.com I. Sem I Subject Business Environment Lecturer Name ...Vaishali

Course objectives :- 1. Understanding concept and nature of Business environment.
2. Acquaint environmental scanning and economic planning.
3. Develop an understanding of various economic and technological policies pertaining to business environment, legal aspects of Indian Business Environment

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug	Business environment: Concept, nature importance and types of environment, Changing dimensions of business environment.	Lecture
18 Aug to 23 Aug	Interaction matrix of different environment factors, organisational and environmental scanning concept	4
25 Aug to 30 Aug	Objectives, process and techniques of environmental Scanning. Economic Planning in India: Success & failure	4
01 Sept to 06 Sept	Revision and Test	
08 Sept to 13 Sept	Economic system; Salient feature of Indian economy, Liberalisation, Privatization and Globalization.	Lecture
15 Sept to 20 Sept	Disinvestment in Public Sector units, NITI Ayog - concept, significance, objectives and Machinery.	4

Week	Topics	Methodology
22 Sept to 27 Sept	Business ethics; corporate governance Social responsibility of business, Social audit	Lecture
29 Sept to 04 Oct	Revision and Test.	"
06 Oct to 11 Oct	Fiscal Policy, Monetary Policy Industrial Policy, Industrial Licensing Policy	"
13 Oct to 18 Oct	ExIm Policy, Industrial Sickness; development and Protection of small-Scale Industry.	"
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	
03 Nov to 08 Nov	Technology transfer. Revision and Test.	Lecture
10 Nov to 15 Nov	The environment (Protection) Act; Consumer Protection Act Competition Act.	"
17 Nov to 22 Nov	Foreign Exchange Management Act. Queries taken.	"
24 Nov to 01 Dec	Revision and Test.	"

Reference Books:-

Lecturer Vaishali

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem M.Com (Ist sem)   Subject Q.T. for Business decision, Lecturer Name Dr: feats. Shrewna

Course objectives Understand the Concept of QT, Know the uses of parametric & Non Parametric tests

Week	Topics	Methodology
01 Aug - 2 Aug		
04 Aug to 09 Aug		
11 Aug to 14 Aug	Quantitative Techniques, Introduce to QT, Classification of Quantitative Techniques	Lecture
18 Aug to 23 Aug	role/uses of Quantitative Techniques in business & Industry, their functions	''
25 Aug to 30 Aug	Scope and Limitations of Quantitative Techniques, Revision & Doubt.	''
01 Sept to 06 Sept	Test, Correlation & Bivariate, Partial and multiple Correlation	''
08 Sept to 13 Sept	Regression, Association of attributes, Criteria of Independence	''
15 Sept to 20 Sept	Consistency of data, Chi - Square Test, Condition of apply, Chi - square Test	''

Week	Topics	Methodology
22 Sept to 27 Sept	Yates' Correction uses of Chi-Square Test & it's Limitations.	५
29 Sept to 04 Oct	Test, Revision, Hypothesis Testing, Types of Hypothesis Test.	५
06 Oct to 11 Oct	Analysis of variance, Introduction, assumptions, Techniques of Anova	५
13 Oct to 18 Oct	One-way classification and Two way classification, F-Test.	५
19 Oct to 26 Oct	Diwali Break	५
27 Oct to 01 Nov	Linear Programming & Network Analysis, Linear Programming uses, applications	५
03 Nov to 08 Nov	data requirement & Limitations, Simplex method, Network Analysis.	५
10 Nov to 15 Nov	CPM & PERT, significance of PERT to a manager Network Activity.	५
17 Nov to 22 Nov	Network Analysis, Critical Path method, Limitations of CPM	५
24 Nov to 01 Dec	Test, Doubt, Revision, Limitations of PERT	५

Reference Books:-

Priti Sharma.
Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ...B.1.Com I...1st Sem... Subject ...IT in Business... Lecturer Name Dr. Sucheta Soni

Course objectives ...Get an insight about the basic Computer skills and its practical implementation.

Week	Topics	Methodology
01 Aug - 2 Aug	Word Processing Basics: Menu Bar, Using the icons below Menu Bar	Lecturer + practical
04 Aug to 09 Aug	Opening and Closing Documents Opening Documents Save & Save As, Page setup, Point Preview, Printing of Documents	"
11 Aug to 14 Aug	Text creation and Manipulation: Document Creation, Editing text Text selection, cut, copy, Paste Spell check and Thesaurus.	"
18 Aug to 23 Aug	Formatting the text: font and Size Selection, Alignment of Text Paragraph Indentry, Bullets & Numbering and changing case	"
25 Aug to 30 Aug	Table Manipulation: Draw Table Changing Cell width & Height Alignment of Text in Cell, Delete & Insertion of Row & Column and Border & shading	"
01 Sept to 06 Sept	Elements of Electronic spread Sheet opening of spread sheet, Addressing of Cells, Printing of spreadsheet saving Workbooks	"
08 Sept to 13 Sept	Manipulation of Cells: Entering Text, Numbers and Dates Creating Text, Number and Dates	"
15 Sept to 20 Sept	Editing Worksheet Data Inserting and Deleting Rows, Columns and Changing cell Height and Width, formulas and function	"

Week	Topics	Methodology
22 Sept to 27 Sept	Using MS PowerPoint : Creation of Presentation using Template Creating a Blank Presentation	"
29 Sept to 04 Oct	Entering and Editing Text, Inserting and Deleting Slides	"
06 Oct to 11 Oct	Preparation of slides: Inserting Word Table or an Excel worksheet Adding clip Art Pictures, Inserting other objects, Resizing and scaling an object	"
13 Oct to 18 Oct	Presentation of Slides : Viewing a presentation choosing a setup for a presentation, printing slides and Handouts.	/
19 Oct to 26 Oct	Diwali Break	4
27 Oct to 01 Nov	House Test	"
03 Nov to 08 Nov	Slide Show: Running slide show, Transition and slide Timing Automating a slide show Converting a text from "Word format" to "Pdf format".	"
10 Nov to 15 Nov	Understanding Secondary Data Sources Developing Google-form	"
17 Nov to 22 Nov	Referencing and Citation : Introduction of Mendeley Google scholar and Turnitin.	"
24 Nov to 01 Dec	Revisions & queries PPT Presentations	"
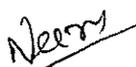
Reference Books:-

Lecturer

HOD

Commerce

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1st Aug. to 1st Dec. (UG & PG Classes)

Class with Sem ...B. Com I...   Subject ......Basic IT Tools......   Lecturer Name ..Dr. Sucheta Soni..

Course objectives 1. Identify the basic components of computers and terminology.

2. Understand computer networks and browse the internet Content (Search, email and collaborate with peer.

| Week	Topics	Methodology
01 Aug - 2 Aug	Introduction to computer and its latest gadgets, Evolution of computers and its applications.	Lecture + practical
04 Aug to 09 Aug	Basics of Hardware and software, Application software, System software.	५
11 Aug to 14 Aug	Utility Software, Central Processing unit, Input devices, output devices, Computer memory	५
18 Aug to 23 Aug	storage and Mobile Apps. Revision and Test	५
25 Aug to 30 Aug	Introduction to operating system, functions of the operating system operating Systems for Desktop & Laptop	५
01 Sept to 06 Sept	operating Systems for Mobile Phone and Tablets, user Interface for Desktop and Laptop, Task Bar.	५
08 Sept to 13 Sept	Icons & shortcuts, Running an Application, operating System, Simple Setting, Changing System.	५
15 Sept to 20 Sept	Changing Display Properties, To Add or Remove Program and features, Adding	५

Week	Topics	Methodology
22 Sept to 27 Sept	Removing & Sharing Printers, File and Folder Management Revision and Test.	Lecture
29 Sept to 04 Oct	Introduction to Internet and WWW, Basic of Computer Networks, Local Area Network	4
06 Oct to 11 Oct	Wide Area Network, Network Topology, Internet, Application of Internet, Website Address	5
13 Oct to 18 Oct	URL, Popular Web browsers, Internet Explorer, Edge, Chrome, Mozilla, firefox, opera etc. Search Engine.	4
19 Oct to 26 Oct	Diwali Break	5
27 Oct to 01 Nov	House Test	4
03 Nov to 08 Nov	Using E-mails, opening Email account, Mailbox : Inbox and outbox, Creating and sending	4
10 Nov to 15 Nov	Replying to an E-mail message, forwarding an E-mail message, searching emails.	5
17 Nov to 22 Nov	Attaching files with email, Email Signature, Social Networking : Facebook, Twitter, Linkedin.	4
24 Nov to 01 Dec	Instagram, Instant messaging (WhatsApp, Facebook etc.) Introduction to Blogs, Digital Locker.	4
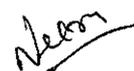
Reference Books:-

Lecturer

HOD

Adarsh Mahila Mahavidyalaya, Bhiwani
Session 2025-26 (Odd Semester)
Lesson Plan from 1ˢᵗ Aug. to 1ˢᵗ Dec. (UG & PG Classes)

Class with Sem M.Com Ist Sem. Subject A.Acc. my. for   Lecturer Name Dr. Gayatri Bansal.

Course objectives Know the Concept managerial Decision
and Scope of managemt Acctng &
Role of managemt Acctng

Week	Topics	Methodology
01 Aug - 2 Aug	Introduction about Managemt & Accounting	Lecture
04 Aug to 09 Aug	Managemt Accounting: meaning Objective, nature, techniques of System managemt Accounting. Installation of managemt Accounts System	"
11 Aug to 14 Aug	Role of managemt Accountant in Business decision. MIS: Introduction, Objective	"
18 Aug to 23 Aug	MIS — Types and methods of Reporting, Reporting Needs at different Levels of managemt.	"
25 Aug to 30 Aug	Designing and installation of a Reporting system. V. unit-I Revision & Doubts taken	1
01 Sept to 06 Sept	Unit-II — Responsibility Accounting meaning, Significance and fundamental aspects.	1
08 Sept to 13 Sept	Principals, Prerequisites and utility of Responsibility Accounting in managemt Decision	1
15 Sept to 20 Sept	Revision of unit -II and Doubt taken.	1

Week	Topics	Methodology
22 Sept to 27 Sept	Divisional Performance evaluation measure of Performance – ROI Vs Residual Income: methods and Problems of Transfer Pricing	4
29 Sept to 04 Oct	Budgeting Essentials of Budgeting, Kinds of budget Budgetary Control, Zero Base Budgeting	4
06 Oct to 11 Oct	Numericals of Budgeting Revision Test of Budgeting.	1
13 Oct to 18 Oct	Standard Costing and Variance Analysis:- Types of Standards, Setting of standard	4
19 Oct to 26 Oct	Diwali Break	
27 Oct to 01 Nov	House Test	''
03 Nov to 08 Nov	Variance Analysis; material, Labour and overheads, Control of Variance.	''
10 Nov to 15 Nov	Marginal Costing and Break even Analysis: Concept, marginal Costing versus Absorption Costing, Break even Analysis and CVP Analysis	''
17 Nov to 22 Nov	Composite Break-even-Point. managerial Application of marginal Costing. Contemporary issues in	''
24 Nov to 01 Dec	Mgt A/c. Value Chain Analysis. ABC-Costing and Target Life Cycle costing Revision.	''

Reference Books:-

Lecturer

HOD