LESSON PLAN

Session: 2025-2026 **Class;B.A/B.Sc.B.Ed 1st Sem**

Name of the faculty: Dr Gurmeet Kaur

Name of the paper: Basics in Ecucation (PEBE-101)

Month	**Week**	**Topic to be covered**
July	22.07.25-26.07.25	Meaning, Nature, Purpose and Importance of Education: Education as a purpose of development (individual, social and harmonious).
	28.07.25-31.07.25	Education as an intentional (intellectual and self- critical) and unintentional. Agencies of education: Family, Society and Institute.
August	01.07.25-05.08.25	Processes and Modes of Education: Education is a natural and social process. Education as an ability to question.and imagine alternatives. Education in schools and its linkage with outside school experience.
	06.08.25-12.08.25	Concept, Meaning and Nature of Knowledge and Knowing. Differentiate between information, knowledge, belief and truth
	13.08.25-17.08.25	Knowing Process: Different ways of knowing, Knowledge construction, Process of Construction of Knowledge
	20.08.25-24.08.25	Relative roles of knower and known in knowledge transmission and construction, Limitations of knowing, role of culture in knowing.
	27.08.25-31.08.25	Facets of knowledge: Different facets of knowledge and relationship, such as: local and universal, concrete and abstract, theoretical and practical, contextual and textual, school and out of school with an emphasis on understanding special attributes of school knowledge
September	02.09.25-07.09.25	Reflection on knowledge in the form of curriculum, syllabus and textbooks.
	09.09.25-14.09.25	Autonomy of teacher- why, what and to what extent. Difference between autonomy and freedom.
	16.09.25-21.09.25	Relationship between autonomy and accountability. Hindering factors that affect teacher's autonomy
	24.09.25-30.09.25	Autonomy of learner- why, what and to what extent, Restrains on learners in schools. Learning without burden, Joyful, collaborative and cooperative learning.
October	01.10.25-10.09.25	**Sessional Exam**

	11.10.25-14.10.25	Concept and nature of values – Relative and absolute .Education with reference to human rights and values
	15.10.25-18.10.25	Values prevalent in Indian constitution and society. Education is a normative endeavor
	19.10.25-26.10.25	**Diwali vacations**
	27.10.25-31.10.25	Process of value formation in schools and out of school and its impact on learners value perspective
November	01.11.25-07.11.25	Role of education in transmission of value in society. School system to nurture a culture of peace
	08.11.25-14.11.25	Individual autonomy and collective responsibility of teacher and learner
	15.11.25-20.11.25	Teacher's autonomy and its importance in enriching learning environment
	21.11.25-24.11.25	Education in schools and its linkage with outside school experience.
	25.11.25-30.11.25	Examinations
December	01.12.25-20.12.25	Examinations

LESSON PLAN

Session: 2025-2026 **Class: B.A/B.Sc.B.Ed 1st Sem**

Name of the faculty: Dr Gurmeet Kaur

Name of the paper: Basics in Ecucation (PEBE-101)

Month	**Week**	**Topic to be covered**
July	22.07.25 - 26.07.25	Meaning, Nature, Purpose and Importance of Education: Education as a purpose of development (individual, social and harmonious).
	28.07.25-31.07.25	Education as an intentional (intellectual and self- critical) and unintentional. Agencies of education: Family, Society and Institute.
August	01.07.25-05.08.25	Processes and Modes of Education: Education is a natural and social process. Education as an ability to question.and imagine alternatives. Education in schools and its linkage with outside school experience.
	06.08.25-12.08.25	Concept, Meaning and Nature of Knowledge and Knowing. Differentiate between information, knowledge, belief and truth
	13.08.25-17.08.25	Knowing Process: Different ways of knowing, Knowledge construction, Process of Construction of Knowledge
	20.08.25-24.08.25	Relative roles of knower and known in knowledge transmission and construction, Limitations of knowing, role of culture in knowing.
	27.08.25-31.08.25	Facets of knowledge: Different facets of knowledge and relationship, such as: local and universal, concrete and abstract, theoretical and practical, contextual and textual, school and out of school with an emphasis on understanding special attributes of school knowledge
September	02.09.25-07.09.25	Reflection on knowledge in the form of curriculum, syllabus and textbooks.
	09.09.25-14.09.25	Autonomy of teacher- why, what and to what extent. Difference between autonomy and freedom.
	16.09.25-21.09.25	Relationship between autonomy and accountability. Hindering factors that affect teacher's autonomy
	24.09.25-30.09.25	Autonomy of learner- why, what and to what extent, Restrains on learners in schools. Learning without burden, Joyful, collaborative and cooperative learning.
October	01.10.25-10.09.25	**Sessional Exam**
	11.10.25-14.10.25	Concept and nature of values – Relative and absolute .Education with reference to human rights and values
	15.10.25-18.10.25	Values prevalent in Indian constitution and society. Education is a normative endeavor
	19.10.25-26.10.25	**Diwali vacations**
	27.10.25-31.10.25	Process of value formation in schools and out of school and its impact on learners value perspective
November	01.11.25-07.11.25	Role of education in transmission of value in society. School system to

		nurture a culture of peace
	08.11.25-14.11.25	Individual autonomy and collective responsibility of teacher and learner
	15.11.25-20.11.25	Teacher's autonomy and its importance in enriching learning environment
	21.11.25-24.11.25	Education in schools and its linkage with outside school experience.
	25.11.25-30.11.25	Examinations
December	01.12.25-20.12.25	Examinations

LESSON PLAN

Session 2025-26 **Class: B.A.B.Ed 3rdSem**

Paper: Macro Economics **Paper Code: ECO 201**

Name of the faculty: Mrs. Anuradha

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Meaning, Emergence, Nature and Scope of macroeconomics, Basic concept of macroeconomics,
	28.07.25-31.07.25	Structure and working of four sectors of macro economy, Circular flow of income and expenditure in 2, 3 and 4 -Sector model.
August	01.08.25-05.08.25	Concept of GDP and National Income, it's measurement methods and related aggregates, Nominal and Real Income,
	06.08.25-12.08.25	Difficulties in calculating national income,Role of GNP ,measure in economic welfare.
	13.08.25-17.08.25	Concept of AD, AS function,Derivation of AS curve,
	20.08.25-24.08.25	Classical and keynsian theory of income and employment
	27.08.25-31.08.25	Keynes Fundamental Psychological laws of consumption
September	02.09.25-07.09.25	Factors determining consumption, Saving and Investment function, the concept of Multiplier and Accelerator, Capital and Investment, Marginal efficiency of capital and investment.
	09.09.25-14.09.25	Classical and Neoclassical theory of interest,
	16.09.25-21.09.25	Keynes Liquidity preference theory of interest,
	24.09.25-30.09.25	NeoKeynesian theory-IS and L M model.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Concept and component of Balance of payment, Distinguish between Balance of payment and Balance of trade.
	15.10.25-18.10.25	Consequences or causes of disequilibrium in the Balance of payment
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Measures to correct imbalance in Balance of payment
November	01.11.25-07.11.25	Implication of Foreign trade multiplier, concept of Appreciation and depreciation of currency and its effect on foreign trade
	08.11.25-14.11.25	Meaning, nature and characteristics of trade cycles Theories of business cycle - over- saving, under Consumption theory,
	15.11.25-20.11.25	Innovation theory,Hawtray monetary theory,Hayes over Investment theory, Keynes view on trade cycle.
	21.11.25-24.11.25	Samuelson-Hicks multiplier-accelerator interaction model,
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.A.B.Ed.Sem-3rd**

Name of the Faculty: MS. RAJNI **Paper Code: ENG 201**

Name of the Paper: English Drama

Month	Week	Topics to be covered
July	22.07.25- 26.07.25	Unit 1: • Dr. Faustus by Christopher Marlowe
	28.07.25-31.07.25	• Dr. Faustus by Christopher Marlowe
August	01.08.25- 09.08.25	• As You Like It by William Shakespeare
	11.08.25- 16.08.25	• As You Like It by William Shakespeare
	18.08.25- 23.08.25	Unit 2: • The Way of The World by William Congreve
	25.08.25- 30.08.25	• The Way of The World by William Congreve
September	01.09.25- 06.08.25	Unit 3: • Arms and the Man by G.B. Shaw
	08.09.25- 13.08.25	• Arms and the Man by G.B. Shaw
	15.09.25-20.09.25	TEST
	22.09.25- 27.09.25	Unit 4: • Tragedy, comedy, plot, soliloquy
	29.09.25- 30.09.25	REVISION AND TEST
October	01.10.25- 04.10.25	SESSIONAL EXAMS
	06.10.25- 11.10.25	SESSIONAL EXAMS
	13.10.25- 18.10.25	• Three unites, tragic- comedy, farce, conflict
	20.10.25- 25.10.25	**DIWALI VACATION**
	27.10.25- 31.10.25	• Climax, catharsis, poetic justice, chorus, comic relief, closet drama
November	01.11.25- 08.11.25	• Mystery miracle and morality plays , the intrudes, Elizabeth drama, heroic tragedy, comedy of manners, problem plays, poetic drama, absurd plays, contemporary drama
	10.11.25-15.11.25	REVISION and TEST
	17.11.25- 24.11.25	PREPARATION FOR EXAMS

LESSON PLAN

Session: 2025-2026 **Class: B.A B.Ed 3rd Semester**

Name of the faculty: Suman Devi **Paper code: GEO 201**

Nomenclature of the paper: Economic Geography

Month	Week	Topics to be covered
July	22.07.25 – 26.07.25	Meaning and approaches of Economic, Concept and classification
	28.07.25-31.07.25	Resources: Concept and classification
August	01.08.25-09.08.25	Spatial organization of economic activities
	11.08.25-16.08.25	Organization of space
	18.08.25-23.08.25	Agricultural typologies with special reference to subsistence and commercial agriculture
	25.08.25-31.08.25	Forestry, fishing and mining
September	01.09.25-06.09.25	Factors affecting location and distribution of primary economic activities with special reference to agriculture land use
	08.09.25-13.09.25	Test
	15.09.25-20.09.25	Revision
	22.09.25-30.09.25	Types of Industries, J.H. Von Thunen's model of agriculture Land use Factures influencing location of industries with special reference to iron ore, Cotton textiles and sugar industries
October	01.10.25-04.10.25	Alffred Webers's Theory of industrial Location
	06.10.25-11.10.25	Concept of distance, accessibility and connectivity
	13.10.25-18.10.25	Presentation
	20.10.25-25.10.25	DIWALI VACATION
	27.10.25-31.11.25	Presentation
November	01.11.25-08.11.25	Edward Ulman' model of spatial interaction
	10.11.25-15.11.25	Competition and complementarity between varies modes of transportation
	17.11.25-24.11.25	International trade theories
	24.11.25 onwards	Examination

LESSON PLAN

SESSION: 2025-2026 **CLASS : B.A. B.Ed. 3rd Semester**

NAME OF THE FACALITY: Ms. Karamjit Kaur **PAPER CODE: CBCED-I-201**

NOMENCLATURE OF THE SUBJECT: CBCED-I-201: Education: Guidance & Counselling In School

Month	Week	Topics to be covered
July	22.07.25-26.07.25	• Meaning, Nature & Functions of Guidance , Principles of Guidance. • Need of Guidance at various stages of life.
	28.07.25-31.07.25	• Types of Guidance: (i)Educational Guidance – Meaning and need at Secondary level. (ii) Vocational Guidance – Meaning and need at Secondary level.
August	01.08.25-05.08.25	(iii) Personal Guidance – Meaning and need at Secondary level • Meaning, Nature and Functions of Counselling
	06.08.25-12.08.25	• Theories of Counselling: -Theory of Self (Rogers) -Rational Emotive Behaviour
	13.08.25-17.08.25	•Types of Counselling: Directive, Non directive, Eclectic.
	20.08.25-24.08.25	-Process of Counselling (Initial disclosure, in depth exploration and commitment to action).
	27.08.25-31.08.25	• Tests: Aptitude, Attitude, Interest.
September	02.09.25-07.09.25	• Achievement tests • Personality, IQ
	09.09.25-14.09.25	- Emotional, Mental ability, Intelligence etc.
	16.09.25-21.09.25	•Techniques used in guidance: Questionnaire, Interview schedule
	24.09.25-30.09.25	Case study, Diary and Autobiography. Professional efficacy and interest
October	01.10.25-10-10.25	**SESSIONAL**
	11.10.25-14.10.25	-Dealing with depression and academic stress (with regard to their identification and intervention).
	15.10.25-18.10.25	•Guidance Implication in (Current Indian scenario, Education and.
	19.10.25-26.10.25	**Diwali Vacations**
	27.10.25-31.10.25	-Skills in Counselling (Listening)
November	01.11.25-07.11.25	Skills in Counselling- Questioning, Responding, Communicating

	08.11.25-14.11.25	•Role of Teacher as a counsellor and professional ethics associated with it.
	15.11.25-20.11.25	Career Counselling
	21.11.25-24.11.25	-Dissemination of Occupational Information
	25.11.25-30.11.25	**Examination**
December		Test
		Revision **Examination**

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 3rd Semester**

Name of the faculty : Dr. Neelam Panwar

Nomenclature of the paper : Hindi-2 (Rachnatmak Lekhan Evam Anuvad)

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Rachnatamak Lekhan, Upyogita, parichai, Rachnatmak Lekhan Ke Vividh Rup.
	27.07.25-31.07.25	Kavita Lekhan, Kavita Ke Tatav.
August	01.08.25-05.08.25	Kahani Lekhan, Kahani Ke tatav.
	06.08.25-12.08.25	Upanyas Ke Tatav, hindi Ke Parmukh Upanyaskar,
	13.08.25-17.08.25	Natak, Natak Ke Parkar, Natak Ke Tatav.
	20.08.25-24.08.25	Hindi Ekanki Ka Vikas, Ekanki Ke Parkar
	27.08.25-31.08.25	Ekanki Ke Tatav, Parmukh Ekankikar.
September	02.09.25-07.09.25	Anuvad Evam Racnatmak Lekhan.
	09.09.25-14.09.25	Anuvad Ka Arth : Swrup Aur Mahtav.
	16.09.25-21.09.25	Anuvad : Itihas Parampra.
	24.09.25-30.09.25	Anuvad Ke Tatav, Satrotar Bhasa, Lakshay Bhasa, Sampreshan Koshgat Aarth.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Anuvad Samgri Bhavarth, Anuvad Ke Sawrup:- Shabdik Anuvad, Bhavanuvad,
	15.10.25-18.10.25	Chayanuvad, Saranuvad, Anuvad Parkirya-Aayam Evam Parmukh Paksh.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Anuvad Parkirya Ke Vibhin Chran.
November	01.11.25-07.11.25	Parmukh Paksh-Rachnakar,Anuvadkrta, Pathak.
	08.11.25-14.11.25	Anuvad Lekhan Samyak Mulyankan.
	15.11.25-20.11.25	Anuvad Karya Ki Aavasyakta Evam Mahtav
	21.11.25-24.11.25	Baudhik Evam Sanskrtik Aadan-Pardan Mei Anuvad Karya Ki Bhumika.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2024-25 **Class: B.A. B.Ed. 3rd Sem**

Paper: HISTORY **Paper Code: History 201**

Name of the faculty: Ms.Bhawna

Month	Week	Topics to be covered
July	22.07.25 -26.07.25	Sources of ancient Indian History –Literary, Archaeological, Numismatical and Epigraphical. Influence of Geography on Indian History, Sindhu –Saraswati civilisation – origin, extent, First Urbanisation: urban planning, economy and Trade.
	29.07.25- 30.07.25	Post Mauryan society and polity: Shungas, satvahanas and Kushanas,
August	01.08.25 - 10.08.25	Sangam Age – Chiefdoms, literature, society and economy.
	11.08.25- 20.08.25	Gupta dynasty – Chandragupta I, Samudragupta, Chandragupta administration, Land revenue system, Economy and society
	22.08.25-28.08.25	Gupta administration, Land revenue system, Economy and society
	29.08.25 - 30.08.25	Mahajanpadas: Administrative system of Republics, The age of second urbanisation
September	01.09.25-09.09.25	Rise of Magadha Empire
	10.09.25 -15.09.25	The Age of Mauryas – Chandragupta: extent of his empire and administration.
	16.09.25 - 21.09.25	Ashoka – his concept of Dhamma.
	24.09.25 - 30.09.25	Geographical divisions of India
October	01.10.25-11.10.25	Sessional
	13.10.25-17.10.25	Political,social,religious and economic life during the reign Of Harsha Vardhana
	16.10.25-18.10.25	Rise of rajputs; origin and consolidation Chauhans, Gurjar
	19.10.24-26.11.25	Diwali Vacation
November	03.11.25 – 09.11.25	South India - Pallavas, Chalukyas, RashtraKutas, Cholas: society
	11.11.25-15.11.25	RashtraKutas, Cholas: society and polity
	16.11.25-24.11.25	Tripartite struggle
	25.11.25 - 30.11.25	Examination
December	2.12.25-14.12.25	Examination
	16.12.25-31.12.25	Examination

LESSON PLAN

Session: 2025 -2026 **Class : B.Sc. B.Ed./B.A. B.Ed. 3rd Sem**

Name of the faculty: Mrs. Deepshikha Jain

Nomenclature of the paper : MTH 201:MATHEMATICS LINEAR ALGEBRA

Month	Week	Topics to be covered

July	22.07.25-26.07.25	• Matrices
		• determinants, Basic properties of determinants, Co-factor expansion
		• Elementary matrices, invertible matrices
		• system of linear equations
		  ○ Gauss elimination method
		  ○ Gauss-Jordan method for finding inverse of a matrix

	28.07.25-31.07.25	• Vector space • Subspaces
August	01.08.25-05.08.25	• Linear combinations,Linear span • Linear dependence and Linear independence of vectors • Basis and Dimension.
	06.08.25-12.08.25	• Finite dimensional vector space-some properties • Quotient spaces • Homomorphism of vector spaces • Isomorphism of vector spaces,Direct sum
	13.08.25-17.08.25	• inner product spaces ➢ CLASS TEST OF UNIT 1
	20.08.25-24.08.25	• Euclidean vector spaces • Distance, Length, Properties
	27.08.25-31.08.25	• Orthogonal vectors • Gramm Schmidt Orthogonalisation Process • Orthogonal Complement
September	02.09.25-07.09.25	• Matrices of lineartransformations • Change of basis and the effect of associated matrices
	09.09.25-14.09.25	• Kernal and Image of a Linear transformation • Rank Nullity theorem,
	16.09.25-21.09.25	• Singular and Nonsingular linear transformations • Elementary matrices and transformations • Similarity, Eigen values, Eigen Vectors
	24.09.25-30.09.25	• Diagonalisation, • Characteristic polynomial • Cayley-Hamilton theorem • Minimal polynomial.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	• Quadratic curves Surfaces
	15.10.25-18.10.25	Sphere
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	• Cylinder CLASS TEST OF UNIT -3
November	01.11.25-07.11.25	• Cone, Ellipsoid
	08.11.25-14.11.25	• Hyperboloid, Paraboloid

	15.11.25-20.11.25	➢ CLASS TEST OF FIRST HALF OF UNIT -4 ➢ CLASS TEST OF UNIT -1
	21.11.25-24.11.25	➢ CLASS TEST OF UNIT -2 ➢ CLASS TEST OF UNIT -3 CLASS TEST OF UNIT -4
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.A.B.Ed.Sem-1 ST**

Name of the Faculty: MS. RAJNI **Paper Code: AEC1**

Name of the Paper: LANGUAGE SKILLS (ENGLISH)-1

Month	Week	Topics to be covered
July	22.07.25- 26.07.25	Unit 1: • TENSES: (a) Simple present: habitual action, general truths, future time, verbs of state, verbs of perception, verbs of sensation
	28.07.25-31.07.25	• narration, use of simple present for demonstration and commentaries
August	01.08.25- 09.08.25	• present perfect, present perfect continuous also indicative of future action
	11.08.25- 16.08.25	• (b) Simple past, past time reference, future time reference, past continuous
	18.08.25- 23.08.25	• past perfect, past perfect continuous
	25.08.25- 30.08.25	Unit 2: Negotiating a point of view – learning to talk persuasively so as to get across one's perspective
September	01.08.25- 06.08.25	• Debating on issue- agreeing/ disagreeing
	08.09.25- 13.08.25	Unit 3: • Note making, Note taking; summary writing
	15.09.25-20.09.25	• Comprehension skills, extract from literary, scientific and educational journals
	22.09.25- 27.09.25	Unit 4: Advanced writing skills, writing advertisement copy
	29.09.25- 30.09.25	REVISION AND TEST
October	01.10.25- 04.10.25	SESSIONAL EXAMS
	06.10.25- 11.10.25	SESSIONAL EXAMS
	13.10.25- 18.10.25	• Sending an application, listening effectively • Writing a project proposal and writing resume
	20.10.25- 25.10.25	**DIWALI VACATION**
	27.10.25- 31.10.25	• Talking about one self(likes, dislikes, interest, beliefs, personality traits, ambitions
November	01.11.25- 08.11.25	• Expressing an opinion about personal belief on current issue(Ability to speak fluently , focus would be organized logical, sequential presentation of thought through spontaneous speech
	10.11.25-15.11.25	REVISION and TEST
	17.11.25- 24.11.25	PREPARATION FOR EXAMS

LESSON PLAN

Session:2025-2026 **Class: B.A/B.SC. B.Ed. 1st SEM**

Name of the faculty :Dr. Gurmeet Kaur

Name of the paper: AEC HINDI

Month	Week	Topic To Be Delivered
July	22.07.25-26.07.25	Hindi sahitya ka kaal vibhajan aur naamkaran
	28.07.25-31.07.25	Aadikaal ka Naamkaran aur Seema Nirdharan Aadikaal ki paristhitiyan,Pravritiyan
August	01.08.25-05.08.25	Bhaktikaalin sahitya ka parichay paristhitiyan or Pravritiyan
	06.08.25-12.08.25	Santkavyadhara kavyadhara ka parichay
	13.08.25-17.08.25	Suphykavyadhara kavyadhara ka parichay
	20.08.25-24.08.25	Raamkavyadhara aur krishan kavyadhara ka parichy
	27.08.25-31.08.25	Krishan kavyadhara ka paricay
September	02.09.25-07.09.25	Swatantratapurva Hindi Kahani Ka Vikas
	09.09.25-14.09.25	Chanderdhar Sharma Guleri –Usne kha tha
	16.09.25-21.09.25	Jayshankar Prasad- Puraskar
	24.09.25-30.09.25	Premchand- Panch Parmeshwar, Jainendra- Ek Raat
October	01.10.25-10.10.25	**Sessional Exam**
	11.10.25-18.10.25	Swatantrayottar Hindi Kahani Ka Vikas Mohan Rakesh- Uski Roti
	19.10.25-26.10.25	**Diwali Holidays**
	27.10.25-31.10.25	Kamleshwar- Dilli Mein ek Maut Phanishwar Nath Renu- Teesari Kasam
November	01.11.25-07.11.25	Chif ki Dawat -Bhisham Sahni Group Discussion [Samooh Charcha]
	08.11.25-14.11.25	Group Discussion [Samooh Charcha]
	15.11.25-20.11.25	Introduction – Definition – Characteristics – Types of Discussion
	21.11.25-24.11.25	Round table, Symposium forum etc. – Relevance of Group Discussion – Exercises
	25.11.23-30.11.25	**Examination**
December		**Examination**

LESSON PLAN

Session: 2025-2026

Class: B.A. B.Ed. 1st Sem.

Name of the faculty:Anuradha

Nomenclature of the paper: Microeconomics

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Economics definition, nature, methods and economic problems or it's scope. Genesis of economic activity, Division of basic units of economic activity, Goods and Services, Value and Prices, Importance and uses ofmicroeconomics
	28.07.25-31.07.25	Economic Problems: Scarcity and Choice, Scope of Economic Theory and Economic Problems. Problems of Allocation of Resources, Production, Distribution of National Product, Economic Efficiency, Problem of FullEmployment of Resources
August	01.08.25-05.08.25	ProblemofEconomicGrowthandScarcity,Problemof Affluence, Positive Economics and Normative Economics. Demand function, Individual and Market demand function, Law of demand and it's reasons, Slope ofdemandcurve,FactorsdeterminingDemand,Extension and Contraction of demand.
	06.08.25-12.08.25	Utilityanalysisandit'smeasurements,Cardinaland Ordinalapproachofdemand,Indifferencecurveanalysis.
	13.08.25-17.08.25	Factorsofproduction,Law ofsupplyandit'sfactors affecting, Production function, Law of variable proportion, Return to scale.
	20.08.25-24.08.25	Isoquant,Choiceofinputs,Changesinfactorprices,The Expansion path of linear, Homogenous production function.
	27.08.25-31.08.25	Concept of cost,Short and long run cost, Economies and Diseconomies, Cost curves and derivation, PPC andit's shifting.
September	02.09.25-07.09.25	Conceptofrevenueandit'srelationships, Market structure,it'sobjectivesandequilibriumconditionsof firm.
	09.09.25-14.09.25	Perfectcompetition
	16.09.25-21.09.25	Monopoly.
	24.09.25-30.09.25	Monopolisticcompetition.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Concept of productivity, Marginal productivity theory of Distribution, Distribution theory of imperfect product and factor market.
	15.10.25-18.10.25	Factorpricingunderperfectcompetitionandmonopoly, Adding up theorem, Theory of wage.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Ricardian theory of rent,Modern theory of rent,Scarcity of Resources.
November	01.11.25-07.11.25	SchumpetertheoryofinnovationandF.H.Knight's riskanduncertaintyofinterestOligopoly
	08.11.25-14.11.25	MPP, VMP,MRP
	15.11.25-20.11.25	RevisionElasticityofdemand.
	21.11.25-24.11.25	Consumer equilibrium, Consumer surplus.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.A.B.Ed.Sem-1st**

Name of the Faculty: MS. RAJNI **Paper Code: ENG 101**

Name of the Paper: INTRODUCTION TO ENGLISH LITERATURE

Month	Week	Topics to be covered
July	22.07.25- 26.07.25	Unit 1: • Meaning of literature • Literature and language
	28.07.25-31.07.25	• Literature: society and culture
August	01.08.25- 09.08.25	• Literature and education • Ordinary vs literary language
	11.08.25- 16.08.25	• Literature and figurative language
	18.08.25- 23.08.25	Unit2 : • Old English period and middle English period
	25.08.25- 30.08.25	• Renaissance (Elizabethan age and Jacobean age**)**
September	01.09.25- 06.08.25	• Renaissance ,(Common wealth period and Caroline age)
	08.09.25- 13.08.25	TEST
	15.09.25-20.09.25	• Neo classical period (restoration age, Augustan age, age of pope, age of sensibility)
	22.09.25- 27.09.25	Unit 3: • Romantic period
	29.09.25- 30.09.25	REVISION AND TEST
October	01.10.25- 04.10.25	SESSIONAL EXAMS
	06.10.25- 11.10.25	SESSIONAL EXAMS
	13.10.25- 18.10.25	• Edwardian and Victorian period
	20.10.25- 25.10.25	**DIWALI VACATION**
	27.10.25- 31.10.25	Unit 4 • Georgian period
November	01.11.25- 08.11.25	• Modern and Post modern period
	10.11.25-15.11.25	REVISION and TEST
	17.11.25- 24.11.25	PREPARATION FOR EXAMS

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 1st Semester**

Name of the faculty : Suman Devi **Paper code : GEO 101**

Nomenclature of the paper: Principles of Geography

Month	Week	Topics to be coverd
July	22.07.25 – 26.07.25	Meaning , Nature and scope of geography
	28.07.25-31.07.25	Approaches of Geography
August	01.08.25-09.08.25	Fundamental Concepts
	11.08.25-16.08.25	Origin of the Earth
	18.08.25-23.08.25	Shape, Size and movement of the earth
	25.08.25-31.08.25	Major land forms and Water Bodies Internal Structure of the earth
September	01.09.25-06.09.25	Physical processes
	08.09.25-13.09.25	Endogenetic Processes
	15.09.25-20.09.25	Exogenetic Processes
	22.09.25-30.09.25	Distribution and growth of World population
October	01.10.25-04.10.25	Principles of Human adaptation and adjustment
	06.10.25-11.10.25	Human Modification of the Earth
	13.10.25-18.10.25	Meaning and types of regions, Regionalization
	20.10.25-25.10.25	Diwali vacations
	27.10.25-31.11.25	Natural Regions of the World
November	01.11.25-08.11.25	Cultural regions of the world
	10.11.25-15.11.25	Human Modification
	17.11.25-24.11.25	Geographical regions of the world
	24.11.25 onwards	Examination

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 1st Semester**

Name of the faculty : Dr. Neelam Panwar

Nomenclature of the paper : Hindi-101

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Bhasai Kaushlo Ka Aadharbhut Vikas:- Sharvan Kaushal, Maukhik-Abhivyakti Kaushal.
	28.07.25-31.07.25	Lekhan Kaushal, Pathan Kaushal.
August	01.08.25-05.08.25	Likhit Evam Mauhik Bhasha Ki Bhumika.
	06.08.25-12.08.25	Boli Swikrit Vikasshil Bhashaye.
	13.08.25-17.08.25	Bhasa ki Vishesta Evam Mahtav.
	20.08.25-24.08.25	Hindi Bhasa Ki Dhavni Vavastha Evam Lipi.
	27.08.25-31.08.25	Devnagri Ki Vishestaye Evam Gun Dosh.
September	02.09.25-07.09.25	Sampreshan Mei Dhavani Evam Lipi Ka Mahtav.
	09.09.25-14.09.25	Sampreshan Dakhtao Ka Samvardhan.
	16.09.25-21.09.25	Sampreshan Ki Aavdharna, Sampreshan Ke Parkar.
	24.09.25-30.09.25	Sampreshan Mei Sharirik Hav-Bhav Ki Bhumika , Parbhavi Sampreshan Ke Tatav.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Sampreshan Mei Uchharan Evam Viram Chinho Ki Bhumika.
	15.10.25-18.10.25	Sampreshan Ke Avrodh, Sanchar Takniki, Avdharna, Parkarti, Parkar.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Bhasai Kaushal Ke Vikas Mei Suchna Evam Takniki Ki Bhumika.
November	01.11.25-07.11.25	E-mail Lekhan, Bio-data.
	08.11.25-14.11.25	Samuh Vimarsh.
	15.11.25-20.11.25	Samajik Samvedna Evam Jagrukta ke Vikas Mei Bhasa Evam Social Media Ki Bhumika.
	21.11.25-24.11.25	Vyaktitav Evam Aatam-vishwas ke Vikas Mei Bhasa Evam Sanchar Madhyamo Ki Bhumika.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2024-25 **Class: B.A B.Ed. 1st Sem**

Paper: History **Paper Code: His 101**

Name of the faculty: Ms.Bhawna

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Name of Country: Aryavarta, Jambudweepa, Bharat, India
	28.07.25-31.07.25	Indian Culture: salient features, Vedic Culture and Civilization: States, Society, Economicand Religion
August	1.08.25-05.08.25	Varnashram system, Shodash Sanskars: Purusharthas
	06.08.25-10.08.25	Impact of Ramayan and Mahabharat of Indian society
	11.08.25-17.08.25	Cultural importance of Puranas
	18.08.25-25.08.25	Contribution of Jainism and Buddhism to Indian culture.
	26.08.25-31.08.25	Vaishnavism, Shaivism and Shaktism
September	01.09.25-08.09.25	Development of Science in ancient Bharat up to Guptas
	09.09.25-15.09.25	Development of Art and Architecture: Maurayns, Post Mauryans (Mathura and Gandhara schools of Art) and Guptas
	16.09.25-22.09.25	Art and Architecture in South India: Pallavas and Cholas
	23.09.25-30.09.25	Art and Architecture: Sultanat and Mughal Period: Major Buildings, Sculpture
October	01.10.25-08-10.25	Six systems of Indian Philosophy
	09.10.25-15.10.25	Bhakti cult
	16.10.25-18.10.25	Sufism
	19.10.25-26.11.25	Diwali Vacations
November	03.11.25-10.11.25	Greater India: Expansion of Indian culture abroad ain Centres of Ancient Indian Education
	11.11.25-16.11.25	Main Centres of Ancient Indian Education
	18.11.25-23.11.25	Test
	25.11.25- 30.12.23	FINAL EXAM
December		
		EXAMS

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed./B.A. B.Ed. 1st Sem**

Name of the faculty: Mrs. Deepshikha Jain

Nomenclature of the paper: MTH101- MATHEMATICS CALCULUS

Month	Week	Topics to be covered
July	22.07.25-26.07.25	• GAUSS DIVERGENCE THEOREM
	28.07.25-31.07.25	• GREEN'S THEOREM
August	01.08.25-05.08.25	• STOKE'S THEOREM
	06.08.25-12.08.25	• CONTINUITY & DIFFERENTIABILITY OF VECTOR FUNCTION • TANGENTS AND NORMAL
	13.08.25-17.08.25	• SUBTANGENT AND SUBNORMAL (CARTESIAN & POLAR FORMS)
	20.08.25-24.08.25	• Derivative of an arc (Cartesian and polar) • pedal equations
	27.08.25-31.08.25	• curvature, • Asymptotes ➢ CLASS TEST OF FIRST HALF OF UNIT-2
September	02.09.25-07.09.25	• multiple points • curve tracing • Cartesian
	09.09.25-14.09.25	• parametric • polar
	16.09.25-21.09.25	➢ CLASS TEST OF SECOND HALF OF UNIT-2 • Envelops and Evolutes
	24.09.25-30.09.25	➢ CLASS TEST OF UNIT- 4 • Applications of definite integral • Area between two curves
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	• Polar coordinates • Cylindrical and Spherical coordinates • Graphs of polar coordinates ➢ CLASS TEST OF FIRST HALF OF UNIT-1
	15.10.25-18.10.25	• Area between two curves when their equations are given in polar coordinates • Length of a curve • Surface area
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	• Area of surface of revolution • Double integral ○ Volumes and Areas
November	01.11.25-07.11.25	• Change of variable in a double integral • special case: Polar coordinates, • Triple integral, Applications • Change of variables in a triple integral

	08.11.25-14.11.25	➢ CLASS TEST OF FIRST HALF OF UNIT-3 ➢ CLASS TEST OF FIRST HALF OF UNIT-3 ➢ CLASS TEST OF UNIT-1
	15.11.25-20.11.25	➢ CLASS TEST OF UNIT-2 ➢ CLASS TEST OF UNIT-3 ➢ CLASS TEST OF UNIT-4
	21.11.25-24.11.25	• REVISION
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.A. B.Ed 1st semester**

Paper: Foundation of Political Theory **PaperCode:101**

Name of the Faculty: Dr. Amrit Kaur

Month	Week	Topics to be coverd
July	23.07.25- 26.07.25	Unit 1: • Political Theory: Meaning ,Nature
	28.07.25-31.07.25	• Political Theory: Scope
August	1.08.25-05.08.25	• Its Normative Perspectives
	06.08.25-12.08.25	• It Empirical Perspectives
	13.08.25-17.08.25	• Behaviouralism Theory
	20.08.25-24.08.25	• Post Behaviouralism Theory
	27.08.25-31.08.25	Unit 2: • State: Meaning and its Elements
September	02.09.25-07.09.25	• Theory of Origin of the State
	09.09.25-14.09.25	• Social Contract
	16.09.25-21.09.25	• Evolutionary Sovereignty
	24.09.25-30.09.25	Unit 3; • Concept :Power (Laswell)
October	01.10.25-10.10.25	• **Sessional** ,Authority (Max Weber)
	11.10.25-14.10.25	• Legitimacy
	15.10.25-18.10.25	• Political System (Easton)
	19.10.25-26.10.25	• **DIWALI HOLIDAY**
	27.10.25-31.10.25	Unit 4: • Forms of Government: Democracy and Dictatorship
N	**01.11.25-07.11.25**	• Political Development (Lucian Pay)
	08.11.25-14.11.25	• Parliamentary
	15.11.25-20.11.25	• Presidential and Unitary • Federal system
	21.11.25-24.11.25	• Revision and tests
December	25.11.25-31.12.25	• **FINAL EXAM**

LESSON PLAN

Session 2025 -2026 **Class: B.A.B.Ed.5thSem**

Paper: Money, Banking and International Trade **Papercode: ECO 301**

Name of the faculty: Anuradha

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Meaning, Nature and definition of money; Evaluation of definition of money;Difficulties in Barter system, Functions Of money; Classification of money.
	28.07.25-31.07.25	Characteristics of money,Role of money in different types of economy
August	01.08.25-05.08.25	Meaning, Construction and limitations of Index Number;
	06.08.25-12.08.25	Quantity theory of money Fisher,Cash-Balance Approach
	13.08.25-17.08.25	Cambridge Cash–Transaction Approach and Comparison of Fisherian approach with Cambridge approach.
	20.08.25-24.08.25	Definition of money Supply,Determinants of money Supply
	27.08.25-31.08.25	Highpower Money and Money Multipler, Measures of money Supply in India, Money Supply and Liquidity.
September	02.09.25-07.09.25	Monetary Standards– Metallic(Working of Gold Standard) And Paper System of note issue
	09.09.25-14.09.25	IMF-Objectives and its monetary policy.
	16.09.25-21.09.25	Effect of inflation,Anti- inflationary measures,concept of Stagflation, Disinflation Deflation and Reflation
	24.09.25-30.09.25	Meaning, Nature and definition of money; Evaluation of definition of money;Difficulties in Barter system,Functions Of money; Classification of money.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Evaluation, Origin and growth of banking system in India,
	15.10.25-18.10.25	Meaning of Banks and it's distinguished from non-banking
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Its purpose and Limitations;Balance Sheet of commercial Bank–Assets and Liabilities,Functions of Centralbank.
November	01.11.25-07.11.25	Meathod of Credit control–Quantitative and Qualitative Methods Role and Function of RBI in the money market (organized and unorganised) in a developing economy
	08.11.25-14.11.25	Meaning and importance of international Trade
	15.11.25-20.11.25	Theories of International Trade–Absolute Cost advantage Model of Adam Smith and Comparative cost advantage model of Ricardo
	21.11.25-24.11.25	Concept of foreign exchange rate;Determinants of exchangeRate by Mint Parity theory
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.A.B.Ed.Sem-5th**

Name of the Faculty: MS. RAJNI **Paper Code: ENG 301**

Name of the Paper: General Linguistic and Structure of Modern English

Month	Week	Topics to be covered
July	22.07.25- 26.07.25	Unit 1: • What is Language, Human language and Animal Communication • Linguistics as scientific study of language, • Linguistic and Cultural relativity (Sapir-Whorf Hypothesis • Pidgin and Creole, code switching and code mixing
	28.07.25-31.07.25	• Pidgin and Creole, code switching and code mixing • languages-dialect, registers, Diglossia Language and Media
August	01.08.25- 09.08.25	Unit 2: • Phoneme, minimal pairs, Distinctive features, form and meaning.
	11.08.25- 16.08.25	• syllable structure, assimilation, dissimilation rules, Feature addition, segment deletion, and addition
	18.08.25- 23.08.25	• **M**orphophonemics
	25.08.25- 30.08.25	Unit 3: • Word class, Morpheme and its types: bound and free morpheme
September	01.09.25- 06.08.25	• Derivational morphology • Compound stress pattern
	08.09.25- 13.08.25	TEST
	15.09.25-20.09.25	• Inflexional morphology • Meaning of compounds
	22.09.25- 27.09.25	Unit 4: • Syntax: Descriptive and prescriptive • Phrase structure rule
	29.09.25- 30.09.25	REVISION AND TEST
October	01.10.25- 04.10.25	SESSIONAL EXAMS
	06.10.25- 11.10.25	SESSIONAL EXAMS
	13.10.25- 18.10.25	• Transformational rules • Grammatical Categories, Grammaticality
	20.10.25- 25.10.25	**DIWALI VACATION**
	27.10.25- 31.10.25	• Antonym and Synonyms • Names, Sense and Reference • Thematic Reference
November	01.11.25- 08.11.25	• Semantic Features • Ambiguity • Paraphrase
	10.11.25-15.11.25	REVISION and TEST
	17.11.25- 24.11.25	PREPARATION FOR EXAMS

LESSON PLAN

Session: 2025-2026 **Class: B.A B.Ed 5th Semester**

Name of the faculty: Suman Devi **Paper code: GEO-301**

Nomenclature of the paper: Biogeography and Pedology

Month	Week	Topics to be covered
July	22.07.25 – 26.07.25	Plant ecology: habitat factors, adaptation, succession and climax
	28.07.25-31.07.25	Concept of plant species, family and genera , phyto-geographical regions
August	01.08.25-09.08.25	Terrestrial and marine fauna
	11.08.25-16.08.25	Means and barriers animal ecology and human ecology
	18.08.25-23.08.25	Dispersal and migration of animals
	25.08.25-31.08.25	Zoogeographical regions of the world , Forms and functions of biomes Forest, Grassland , Desert, Mountain and marine, Biodiversity
September	01.09.25-06.09.25	Laterisation, Podsolization
	08.09.25-13.09.25	Calcification, Salinization
	15.09.25-20.09.25	Alkalization
	22.09.25-30.09.25	Revision
October	01.10.25-04.10.25	Forest and Wild life management , Roles of National Parks
	06.10.25-11.10.25	Sanctuaries and Biosphere Reserves in India
	13.10.25-18.10.25	Plant water soil relationship
	20.10.25-25.10.25	DIWALI VACATION
	27.10.25-31.11.25	Concept of soil profile, , soil of the world
November	01.11.25-08.11.25	Soil classification
	10.11.25-15.11.25	Soil of the world
	17.11.25-24.11.25	Process of soil formation
	24.11.25 onwards	Examination

LESSON PLAN

Session: 2025-2026 **Class; B.A/B .Sc .B. Ed 3rd SEM**

Name of the faculty: Dr. Gurmeet Kaur

Nomenclature of the paper: Hindi 301

Month	Week	Topics to be covered
July	22.07.25- 26.07.25	Maithilli Sharan Gupt ka Jivan parichay , Udbodhan kavita, Vedne Tu Bhali Bani kavita
	28.07.25-31.07.25	Mujhe phool mat maro, Sakhi Ve Mujhse Keh Kar Jaate.
August	01.08.25-05.08.25	Jaishankar Prasad ka Jivan parichay,Jaag Ri Kavita,
	06-08.25-12.08.25	Mere Navik Kavita ,Peshola Ki pratidhwani
	13.08.25-17.08.25	Smitranandan pant ka Jivan parichay,
	20.08.25-24.08.25	Pratham Rashami, Aansu Ki Balika Kavita
	27.08.25-31.08.25	Drut Jharo Kavita,Bharatmata Kavita
September	02.09.25-07.09.25	Suryakant Tripathi Nirala ka Jivan parichay,Dhwani Kavita
	09.09.25-14.09.25	Badal Raag Kavita, Todti Pathar Kavita
	16.09.25-21.09.25	Mahadevi Verma ka Jivan parichay
	24.09.25-30.09.25	Main Anant Path Mein likhti Jo Kavita. Nisha Ko Dho Deta Rakesh Kavita
October	01.10.25-10.10.25	**Sessional Exam**
	11.10.25-14.10.25	Kya Pooja Kya Archan Re,Kaun Tum Mere Hriday Mein Kavita
	15.10.25-18.10.25	Ramdhari Singh Dinkar ka Jivan parichay Kisko Naman Karu Kavita.
	19.10.25-27.10.25	**Diwali Vacations**
	27.10.25-31.10.25	Kurukshetra Kavita.
November	01.11.25-07.11.25	Sachidanand Hiranand Vatsyayan Agay ka Jivan parichay,
	08.11.25-14.11.25	Srijana ke kshan kavita
	15.11.25-20.11.25	Kalgi Bajre Ki Kavita,Srajna Ke Kshan Kavita
	21.11.25-24.11.25	Chandni ki loo Kavita,Nadi Ke Dvip kavita
	25.11.25-30.11.25	**Examination**
December	01.12.25-20.12.25	**Examination**

LESSON PLAN

Session: 2025-2026 **Class: B.A B.Ed. 5th Sem**

Paper: History **Paper Code: HIS 301**

Name of the faculty:Ms.Bhawna

Month	Week	Topics to be covered
July	22.07.25 -26.07.25	Early Peshwas, Third Battle of Panipat, Maratha confederation Maratha struggle against the British.
	28.07.25-30.07.25	Establishment of British rule in Bengal and consequent administrative changes.
August	01.08.25-10.08.25	British Relations with Indian states: Mysore and Punjab
	12.08.25- 17.08.25	Maratha struggle against the British.
	20.08.25- 24.08.25	Establishment of British rule in Bengal and consequent administrative changes.
	27.08.25- 31.08.25	British Relations with Indian states: Mysore and Punjab
September	02.09.25-07.09.25	Growth of Legislature and Administrative Changes (Lord Warren Hesting to Lord Curzon)
	09.09.25-14.09.25	Indian resistance prior to 1857: Tribal Revolts, Indigo Revolt, Pabna Revolt , Deccan Revolt, Peasant Revolt
	16.09.25-21.09.25	Development of Modern Education, Press, Transport & Communication, Trade & Industry
	24.09.25-30.09.25	Struggle of 1857: Nature, Causes, Role of the Natives Mangal Pandey, Bahadurshah, Tantia tope, Nana Saheb and Laxmi Bai, Significance
October	01.10.25-07.10.25	Imperial Policy of Lord Lytton-Varnacular press act, Delhi Darbar,Afghan Policy
	01.10.25-10.10.25	Liberal Policy of Lord Ripon and his reforms Foundation of Indian national Congress, background ,concept of
	11.10.25-15.10.25	Safety value,early activities,Prominent leaders
	16.10.25-18.10.25	Foundation of Muslim League
	19.10.25-26.11.25	Diwali Vacation
November	04.11.25-09.11.25	Moderates and Extremistse :Their Ideologies ,meansa and Activities – Surat Split.1907
	10.11.25-12.11.25	Rise of Middle Classes, Women Status and Reform legislation.Role of Dada Bhai Naoroji ,M.G Ranade ,G.K.Gokhale,B.G Tilak ,Arivnd Gosh and Lala Rajpat Ray
	13.11.25-16.11.25	Lord Curzon and his Administrative Reforms, Partition of Bengal Social Change and Reform Movements, Caste Movements
	17.11.25- 24.11.25	Agrarian Relations, The Land Lords tenants and the states, Rise of modern industries and working class, Constitutional Development: Morley Minto Reform -1909, Government of India Act 1919 & 1935, Freedom of India Act 1947 I
December		Examation

LESSON PLAN

Session: 2025-2026 **Class: B.A/B.Sc.B.Ed.5th Sem.**

Name of the faculty : Dr. Gurmeet Kaur

Nomenclature of the paper :Learning Assessment(CPSLA 301)

Month	Week	Topic to be covered
July	22.07.2025-26.07.2025	Perspective on assessment and evaluation of learning in a constructivist paradigm
	28.07.2025-31.07.2025	Distinction between 'assessment of learning' and 'assessment for learning' Feedback as an essential component of formative assessment
August	01.08.2025-05.08.2025	Use of assessment for feedback; for taking pedagogic decisions
	06.08.2025-12.08.2025	Developing and maintaining a comprehensive learner profile
	13.08.2025-17.08.2025	Purposes of assessment in a 'constructivist' paradigm: engage with learners' minds in order to further learning in various dimensions
	20.08.2025-24.08.2025	Promote development in cognitive, social and emotional aspects Meaning and Objectives of : test, measurement examination, and evaluation
	27.08.2025-31.08.2025	Formative And Summative Evaluation
September	02.09.25-07.09.25	Continuous And Comprehensive Evaluation
	09.09.25-14.09.25	Grading And Its Types Purposes of reporting: to communicate progress and profile of learner ,basis for further pedagogic decisions ,Reporting a consolidated learner profile
	16.09.25-21.09.25	Impact of examination-driven schooling On Pedagogy: content-confined, information focused testing;
	24.09.25-30.09.25	Activity centric teaching and testing De-linking school-based assessment from examinations some possibilities and alternative practices
October	01.10.25-10.10.25	**Sessional Exam**
	11.10.25-14.10.25	Contexts of assessment: subject- related and person- related
	15.10.25-18.10.25	Efforts towards examination reforms in India based on: NPE,1986; POA, 1992; NCF, 2000 and 2005 and National Focus Group Position Paper on Examination Reforms (Discussion should cover analysis of recommendations, implementations and the emerging concerns)
	19.10.25-26.10.25	**Diwali Vacations**
	27.10.25-31.10.25	Action Research in improving classroom practices: concept,need and steps of action research, action research as an approach to improve class and school practices. Development

November	01.11.25-07.11.25	Teacher competencies ,Visualizing appropriate assessment tools for specific contexts, content, and student ,Achievement test: meaning, need, steps and blue print.
	08.11.25-14.11.25	Evolving suitable criteria for assessment ,Organizing and planning for student portfolios and developing rubrics for portfolio assessment
	15.11.25-20.11.25	Statistical tools- percentage, graphical representation, frequency distribution, central tendency, variation, normal distribution
	21.11.25-24.11.25	Types of teacher feedback (written comments, oral); peer feedback ,Place of marks, grades and qualitative descriptions
	25.11.25 to onward	Examination

LESSON PLAN

Session: 2025-2026 **Class: B.A. B.Ed. 5th Sem.**

Name of the faculty: Dr. Manju Yadav

Nomenclature of the paper: CPSE 301: Pedagogy of English I

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Unit I: Language: Basics ,Language: Nature and Function Aspects of Language: Physiological, Psychological and Socio-cultural
	28.07.25-31.07.25	Varieties of Language: Dialect and Register, Standard and Non-Standard Bilingualism, Multilingualism as a Resource
August	01.08.25-05.08.25	Language Learning: Acquisition vs. Learning Language Learning: Types and process: L1, L2 and FL
	06.08.25-12.08.25	Language and Learning: Language Across Curriculum
	13.08.25-17.08.25	Unit II: Teaching of English in India ,Role and Position of English language in India ,Challenges of teaching and learning English in India
	20.08.25-24.08.25	NCF -2005 (Language Education), Language Policy, Three-language Formula
	27.08.25-31.08.25	Objective of teaching English in India: Linguistic and Literary objective
September	02.09.25-07.09.25	English as a subject, English as medium of instruction Braille and Sign languages
	09.09.25-14.09.25	Unit III: Approaches, Methods and Techniques What are Methods, Approaches and strategies in ELT Grammar-Translation, Direct and Bi-lingual/multilingual methods, Structural approach
	16.09.25-21.09.25	Communicative Approach, Silent Way, Suggestopedia, Total Physical Response
	24.09.25-30.09.25	Constructivist perspective ,Whole language approach,
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Humanistic approach ,Literature-based approach for language learning
	15.10.25-18.10.25	Eclectic approach, Integrated approach ,Independence and interdependence of language skills.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Unit IV: Elements of English Language Grammar in Context ,What is Grammar in context ,English Language: Grammar and Usage
November	01.11.25-07.11.25	Prescriptive vs. Descriptive Grammar ,Problem Areas of English Grammar I: Determiners, Tense, Auxiliaries, Modals
	08.11.25-14.11.25	Problem Areas of English Grammar II: Concord, Conditionals, Transformation
	15.11.25-20.11.25	➢ CLASS TEST OF UNIT -1

		➢ CLASS TEST OF UNIT -2 ➢ CLASS TEST OF UNIT -3 ➢ CLASS TEST OF UNIT -4
	21.11.25-24.11.25	REVISION
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 5th Semester**

Name of the faculty : Dr. Neelam Panwar

Nomenclature of the paper : Hindi -301 (Pedagogy of Hindi)

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Bhasa Ki Prakriti-Bhasa Ki Visheshtaye, Bhasa Ke Parkar Bhasa Ek Niyam Sanchalit Tantar Ke Rup Mei.
	27.07.25-31.07.25	Bhasa aur Ling, Bhasa Vai Satta, Bhasa Aur Asmita, Bhasa Aur Varg, Madhyam Bhasa.
August	01.08.25-05.08.25	Matrbhasa,Partham Bhasa, Davitya Bhasa, Tritya Bhasa, Bhasa Aur Adhigam.
	06.08.25-12.08.25	Samast Pathyakarm mei Bhasa Ka Upyog, Bhasa Aur Sahitya, Hindi Sahitya Ki Vividh Vidhaye.
	13.08.25-17.08.25	Swatantarta se Pahle Aur Swatantarta ke Baad Hindi Ki Bhumika.
	20.08.25-24.08.25	Hindi Partham, Dvitya Aur Tritya Bhasa ke Rup Mei Hindi Padhne Padhane Ki Chunotiya.
	27.08.25-31.08.25	Tribhasa Sutr Ki Visheshtaye.
September	02.09.25-07.09.25	Samvidhan ki Shiksha Samitiyo ki Report Mei Bhasa Ki Ishthiti.
	09.09.25-14.09.25	Kothari Aayog 1964-66.
	16.09.25-21.09.25	Rastriya Shiksha Niti-1986.
	24.09.25-30.09.25	Rastriya Pathyacharya-2005.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Bhasa Dakhtao Ka Vikas-sunna vai Bolna, Kahani, Samvad Padhna.
	15.10.25-18.10.25	Mukhar Vai Maun Vachan Vyapak Tatha Gahan Pathan, Dosh Vai Unka Niwaran.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Likhna Vai Likhne Ke Chran, Sarjnatmak Lekhan, Oapcharik Lekhan.
November	01.11.25-07.11.25	Anoapcharik Lekhan, Diary, Patr.
	08.11.25-14.11.25	Samachar Ityadi, Devnagri Lipi Ka Maankikaran.
	15.11.25-20.11.25	Vyakaran Anuvad Parnali Vidhi.
	21.11.25-24.11.25	Partyaksh Parnali Vai Dhachagat Parnali.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-202 **Class: B.A. B.Ed. 5th**

SemPaper: Representative Western Political Thinkers

Paper Code: POL-301 Name of the faculty Dr. Amrit Kaur

Month	Week	Topics to be covered
July	23.07.25-26.07.25	Plato: Rule of philosophy, Education, Communism
	28.07.25-31.07.25	Aristotle: State, Constitution
August	01.08.25-05.08.25	Citizenship, Slavery, Revolution
	06.08.25-08.08.25	St. Augustine: Theory of Two Cities
	13.08.25-17.08.25	Thomas Acquinas: State, Law
	20.08.25-24.08.25	Christianization of Aristotle
	27.08.25-31.08.25	Machiavelli: Nation State
September	02.09.25-07.09.25	Citizenship, Slavery, Revolution
	09.09.25-14.09.25	TEST
	16.09.25-21.09.25	St. Augustine: Theory of Two Cities
	24.09.25-30.09.25	Thomas Acquinas: State, Law
October	01.10.25-10.10.25	**Sessional** and Christianization of Aristotle
	11.10.25-14.10.25	Machiavelli: State Craft, Religion and Morality
	15.10.25-18.10.25	Thomas Hobbes: Contractual theory and Sovereignty
	19.10.25-26.10.25	**DIWALI HOLIDAY**
	27.10.25-31.10.25	John Locke: Contractual theory and Private Property
November	01.11.25-07.11.25	J.J .Rousseau : Contractual theory, General will
	08.11.25-14.11.25	Jeremy Bentham : Utilitarianism , Law & Reforms
	15.11.25-20.11.25	J .S. Mill : Revision of Bentham's Utilitarianism, Liberty and Representative Government
	21.11.25-24.11.25	Karl Marx
December	25.11.25- 31.12.25	**Final Examination**

LESSON PLAN

Session:2025 -26 **Class:B.A.B.Ed 7th Sem**

Paper: Introductory Micro Economics **PaperCode:ECO 401**

Name of the faculty: Mrs. Anuradha

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Meaning & Definition of Economics,Subject matter and scope of Economics
	28.07.25-31.07.25	Significant of Economics
August	01.08.25-05.08.25	Question of what,how and forwhom to produce and how to distribute outputs.
	06.08.25-12.08.25	Positive and normative Economics. Economic laws
	13.08.25-17.08.25	Consumer Behaviour
	20.08.25-24.08.25	Concept and need for studying consumer behavior.
	27.08.25-31.08.25	Process and Ethics in consumer research
September	02.09.25-07.09.25	Modal and consumer behavoiur.
	09.09.25-14.09.25	Applications of consumer behavior in marketing Decisions
	16.09.25-21.09.25	Cardinal approach and its criticisms
	24.09.25-30.09.25	Law of Diminishing Marginal Utility,Law of Demand,Exception to Law of Demand,Law of Equi-Marginal Utility
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Breaking up price effect to income and substitution effect, Comparison between Marginal Utility approach and indifference Curve approach
	15.10.25-18.10.25	Individual demand and supply schedules and the derivation of market demand and supply, Derivation of market demand and supply
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Shifts in demand and supply curves;The role of prices in resources allocation;The concept of elasticity and its application
November	01.11.25-07.11.25	Consume surplus;
	08.11.25-14.11.25	producer surplus;
	15.11.25-20.11.25	Taxes and their efficiency costs
	21.11.25-24.11.25	Shifts in demand and supply curves;The role of prices in resources allocation;The concept of elasticity and its application
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025- 2026 **Class: B.A. B.Ed. 7th Sem.**

Name of the faculty: Dr. Manju Yadav

Nomenclature of the paper: ENG 401 American Literature

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Unit I Prose: Saki(H.H. Munro): The Open Window
	28.07.25-31.07.25	Bernard Malamund: The Jewbird Young Goodman Brown
August	01.08.25-05.08.25	Nathaniel Hawthrone: A Rose For Emily
	06.08.25-12.08.25	William Faulkner Emerson: Self Reliance
	13.08.25-17.08.25	Unit II Poetry: H.W. Longfellow:Snoe-Flakes
	20.08.25-24.08.25	Robert Frost: Mending Wall
	27.08.25-31.08.25	Walt Whitman: A noiseless Patient spider
September	02.09.25-07.09.25	Emily Dickinson: Because I Could not stop for death
	09.09.25-14.09.25	Edgar Allen Poe: The Raven
	16.09.25-21.09.25	Unit III Fiction: Ernest Hemingway: The old man and the sea
	24.09.25-30.09.25	Ernest Hemingway: The old man and the sea (Continued)
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Ernest Hemingway: The old man and the sea (Continued)
	15.10.25-18.10.25	Ernest Hemingway: The old man and the sea (Continued)
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Unit IV Drama: Arthur Miller: Death of a salesman(Continued)
November	01.11.25-07.11.25	Arthur Miller: Death of a salesman(Continued)
	08.11.25-14.11.25	Arthur Miller: Death of a salesman(Continued)
	15.11.25-20.11.25	➢ CLASS TEST OF UNIT -1 ➢ CLASS TEST OF UNIT -2 ➢ CLASS TEST OF UNIT -3 ➢ CLASS TEST OF UNIT -4
	21.11.25-24.11.25	Revision
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 7th Semester**

Name of the faculty : Suman Devi **Paper code : GEO-401**

Nomenclature of the paper : Population and settlement geography

Month	**Week**	**Topics to be covered**
July	22.07.25 – 26.07.25	Sources of Population data with special reference to India (Census, vital statistics and NSS)
	28.07.25-31.07.25	Population size
August	01.08.25-09.08.25	Distribution and growth
	11.08.25-16.08.25	Theories of growth Malthusian theory
	18.08.25-23.08.25	Fertility , mortality and migration
	25.08.25-31.08.25	Age sex composition
September	01.09.25-06.09.25	Rural and urban composition, literacy
	08.09.25-13.09.25	demographic transition theory
	15.09.25-20.09.25	Revision
	22.09.25-30.09.25	Basic concepts: rural and urban settlements Rural Urban fringe
October	01.10.25-04.10.25	Rural Settlements : Types and pattern
	06.10.25-11.10.25	Urban Settlements classification and typologies
	13.10.25-18.10.25	Central place theory
	20.10.25-25.10.25	DIWALI VACATION
	27.10.25-31.11.25	REVISION
November	01.11.25-08.11.25	Rank size rule
	10.11.25-15.11.25	Primate city
	17.11.25-24.11.25	Rock identification
	24.11.25 onwards	EXAMINATION

LESSON PLAN

Session: 2025-2026 **Class : B.A B.Ed 7th Semester**

Name of the faculty : Dr. Neelam Panwar

Nomenclature of the paper : Hindi-401
(Asmitamulak Vimarsh Aur Hindi Sahitya)

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Vimarsho ki sadantki.
	27.07.25-31.07.25	Ishtri Vimarsh.
August	01.08.25-05.08.25	Ishtri Vimarsh Ki Avdharna.
	06.08.25-12.08.25	Ishtri Vimarsh ka Mukti Aandolan.
	13.08.25-17.08.25	Revision & Test.
	20.08.25-24.08.25	Swadhinta se Purv Evam Swadhinta Ke baad Ishtri.
	27.08.25-31.08.25	Revision & Test.
September	02.09.25-07.09.25	Dalit Vimarsh.
	09.09.25-14.09.25	Dalit Vimarsh Ki Parmukh Vidhaye.
	16.09.25-21.09.25	Aatamkatha-Juthan :
	24.09.25-30.09.25	Omparkash Balmiki (Partham Bhag).
October	01.10.25-10.10.25	Sessional.
	11.10.25-14.10.25	Natak - Tadap Mukti Ki : Mata Parsad.
	15.10.25-18.10.25	Kahani - Charchit Dalit Mahila Kathakaro ki Kahaniya.
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Dr. Kusum Viyogi.
November	01.11.25-11.11.25	Ishtri Aur Dalit Vimarsh Dasha.
	12.11.25-24.11.25	Ishtri Aur Dalit Vimarsh Disha.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2024-2025 **Class: B.A. B. Ed 7th Sem**

Paper: History **Paper Code: HIS 401**

Name of the Faculty: Ms.Bhawna

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Legacy of freedom struggle, socio cultural values of non- violence.
	29.07.25-30.07.25	Problems and process of the integration of Indian states
August	03.08.25-10.08.25	Problems of displaced persons and rehabilitation process
	12.08.25-17.08.25	Framing of Indian constitution main Features and Amendments
	20.08.25-23.08.25	Industrialisation: Problems and prospects
	27.08.25-31.08.25	Green revolution, Achievements in the field of science techonology with special reference to space, atomic energy and I T sector India emerging as a world power
October	01.10.25-05.10.25	Indian women after Independence and Political participation and contribution of women in various spheres.
	07.10.25-11.10.25	Agrarian reforms and Bhudan movement
	12.10.25-15.10.25	Five-year plans and beginning of planned economy
	16.10.25-18.10.25	Nationalisation of Banks and Abolition of Privy Purse
	19.10.25-26.11.25	Diwali Vacation
November	04.11.25-09.11.25	Main characteristics of Indian Foreign policy
	07.11.25-11.11.25	Upliftment of depressed classes, problems and challenges before Indian society. Principle of Panchsheel, Policy of Non-alignment and role of India
	18.11.25-23.11.25	Indo china war, Indo Pakistan wars, Kashmir problem, Shimla Agreement 1971-72, India's relations with neighbouring countries
	25.11.25-30.11.25	Examination
December	02.12.25-07.12.25	examination
	09.12.25-14.12.25	Examination
	16.12.25-31.12.25	Examination

LESSON PLAN

Session: 2025-2026 **Class: B.A. B.Ed. 7th Sem**

Paper: Political Ideologies **Paper Code: POL-401**

Name of the faculty Dr. Amrit Kaur

Month	Week	Topics to be covered
July	23.07.25-26.07.25	Political Ideology: Meaning
	228.07.25-31.07.24	Evolution of Political Ideology
August	01.08.25-05.08.25	Nature of Political Ideology
	06.08.25-12.08.25	TEST
	13.08.25-17.08.25	Liberalism
	20.08.25-24.08.25	Classical Liberalism
	27.08.25-31.08.25	Modern Liberalism
September	02.09.25-07.09.25	Contemporary
	09.09.25-14.09.25	Nature of Political Ideology
	16.09.25-21.09.25	TEST
	24.09.25-30.10.25	Liberalism
October	01.10.25-10.10.25	**Sessional** and Nationalism
	11.10.25-14.10.25	Feminism
	15.10.25-18.10.25	Environmentalism
	19.10.25-26.10.25	Contemporary Stream: Gandhian
	27.10.25-31.10.25	Socialism
November	01.11.25-07.11.25	TEST & PRESENTATION
	08.11.25-14.11.25	Marxism
	15.11.25-20.11.25	Democratic Socialism
	21.11.25-24.11.25	TEST
	25.11.25-31.12.35	**EXAMINATION**

LESSON PLAN

Session:2025-2026 **Class: B.A. B.Ed /B.Sc. B.Ed. 3rd Sem**

Name of the faculty: Dr. Rekha Sharma

Nomenclature of the paper: Yoga, Health & Well Being

Month	Week	Topic
July	22.07.25-26.07.25	Concept of health, importance, dimensions and determinants of health, health needs of children and adolescents including differently abled children.
	28.07.25-31.07.25	Understanding of the body system – skeleton, muscular, respiratory circulatory and digestive in relation to health.
August	01.08.25-05.08.25	Common health problems and diseases- causes, prevention and cure, immunization and first aid.
	06.08.25-12.08.25	Food - habits, hygiene, diseases and their prevention, Safety, security and physical fitness
	13.08.25-17.08.25	Food and nutrition, food habits, nutrients and their functions.
	20.08.25-24.08.25	Preservation of food value during cooking, indigenous and modern ways of preserving food.
	27.08.25-31.08.25	Practices related to food hygiene, malnutrition, obesity, food and waterborne and deficiency diseases and prevention.
September	02.09.25-07.09.25	Safety from snake and dog bites, animal attacks, prevention and treatment.
	09.09.25-14.09.25	Physical fitness, strength, endurance and flexibility, its components, sports skills and self- defence activities.
	16.09.25-21.09.25	Athletics and Games
	24.09.25-30.09.25	Athletics – general physical fitness exercises
October	01.10.25-10.10.25	Games – lead up games, relays and major games Health services, policies and health and physical education related programmes, blood banks and role of media
	11.10.25-14.10.25	Revision and Test
	15.10.25-18.10.25	Rhythmic activities, gymnastics and their impact on health
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	Revision and Test

November	01.11.25-07.11.25	Yogic practices – importance of yoga, yogasanas and pranayamas. Role of institutions in developing healthy individuals- family, school and sports
	08.11.25-14.11.25	Revision and Test
	15.11.25-20.11.25	Safety and security – disasters in and outside schools, ways of prevention

LESSON PLAN

Session: 2025-2026 **Class: B.A. B.Ed. 3rd Sem**
Paper: Comparative Government Politics **Paper Code: 201**
Name of the faculty Dr. Amrit Kaur

Month	Week	Topics to be covered
July	23.07.25-26.07.25	**Unit 1:** Comparative Politics: Meaning & Nature, Scope
	27.07.25-31.07.25	Types of Comparison (Vertical-Horizontal)
August	01.8.25-05.8.25	Constitutionalism
	06.8.25-12.08.25	**Unit 2 :** Social-Economics bases & Salient features of Constitutions of UK, USA & SWISS.
	13.8.25-17.8.25	Federal System of The USA & Switzerland
	20.8.25-24.8.25	Political Parties in America
		Political Parties in UK & Switzerland
	27.8.25-31.8.25	Revision and Test
September	02.9.25-07.9.25	British Prime Minister & Cabinet
	09.9.25-14.9.25	**Unit 3:** Executive: Composition & Function
	16.9.25-21.9.25	British King & Crown
	24.9.25-30.09.25	The President of USA
October	01.10.25-10.10.25	**Sessional and Unit 4**: Legislature: Composition & Powers of the British Parliament, USA's Congress
	11.10.25-14.10.25	Judiciary: System of UK, USA's, Supreme Court, Tribunal of Swiss
	15.10.25-18.10.25	Plural Executive of Switzerland
	19.10.25-26.10.25	**DIWALI HOLIDAYS**
	27.10.25-31.10.25	Types of Constitutions
November	01.11.25-07.11.25	Political Parties in UK & Switzerland
	08.11.25-14.11.25	Test
	15.11.25-20-11.25	Swiss Federal Assembly
	21.11.25-24.11.25	Revision
December	25.11.25-31.12.25	**FINAL EXAM**

Lesson Plan

Session: 2025-2026 **Class : B.Sc. B.Ed. Sem. 1**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: WEAP 101**

Nomenclature of the Paper: Work Education (Agriculture Practice)-I

Month	Week	Topics to be Covered
July	22.07.25-26.07.25	**Unit 1:** **Agriculture** • Introduction, Meaning, Definition, Scope
	28.07.25-31.07.25	• History of Agriculture, Branches of Agriculture, Objectives of Agriculture
August	01.08.25-05.08.25	• Revision of Unit
	06.08.25-12.08.25	**Unit 2:** **Soil Science** • Definition of Paedology
	13.08.25-17.08.25	• Soil Management, Soil Erosion
	20.08.25-24.08.25	• Soil Conservation Practices, Structure of Soil
	27.08.25-31.08.25	• Soil Profile; Soil Fertility and Productivity, Essential Plant Nutrients
September	02.09.25-07.09.25	• Fertilizers And Manures Including Bio fertilizers. Identification of Manures and Fertilizers
	09.09.25-14.09.25	• Revision of Unit
	16.09.25-21.09.25	**Unit 3:** **Irrigation** • Definition Method of Irrigation
	24.09.25-30.09.25	• Systems of Irrigation • Drainage, Irrigation Pattern of India
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	**Horticulture** • Definition, Branches of Horticulture
	15.10.25-18.10.25	• Layout of Orchards, Propagation by Seeds and by Vegetative Means
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• Pot Filling Technique, Planning
November	01.11.25-07.11.25	• Planting And Maintaining Lawn; Practice Related to Landscaping
	08.11.25-14.11.25	**Unit 4:** • **Agricultural Practices:** Preparation of Land, Selection of Seeds, Watering, Thinning

	15.11.25-20.11.25	• Hoeing And Weeding, Harvesting of Crop, Identification of Important Agricultural Tools, Trees and Crop Plants. Minor Project Preparation on Agriculture
	21.11.25-24.11.25	• Revision of Unit
	25.11.25-30.11.25	• Examinations
December	01.12.25-20.12.25	• Examinations

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed. Sem. 5**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: CPSPM 301**

Nomenclature of the Paper: Pedagogy of Mathematics I

Month	Week	Topics
July	22.07.25-26.07.25	Unit-1 • Human Needs as a Basis of Growth in Mathematics, Mathematical Statements are Unambiguous, Truth Criteria, Use of Symbols
	27.07.25- 31.07.25	• The Role of Intuition and Logic in Mathematical Thinking • Axiomatic Framework of Mathematics: Axioms, Postulates, Undefined Terms, Defined Terms
August	01.08.25-05.08.25	• Reasoning, Type of Reasoning, Proofs - Types of Proofs • Language of Mathematics
	06.08.25-12.08.25	• Cultivating Learner's Sensitivity Like Listening, Encouraging Learner for Probing • Raising Queries, Appreciating Dialogue Among Peer Group, Promoting the Student's Confidence Mathematical Thinking
	13.08.25-17.08.25	Unit-2 • Exploring Ways of Learning Engagements
	20.08.25-24.08.25	• Providing Opportunities for Group Activities, Group/Individual Presentation, Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics
	27.08.25-31.08.25	• Visit to District, State and National Level Science Exhibition/ Field Visit, Audio Visual Presentation Followed by its Analysis and Discussion, Reflective Written Assignments, Case Studies
September	02.09.25-07.09.25	Unit 3: • Need for and Importance of Mathematics in School Curriculum
	09.09.25-14.09.25	• Social Aspects • Mathematical Aspects
	16.09.25-21.09.25	• Applications of Mathematics, Aims, Objectives and Scope of Mathematics at the Secondary Stage, Writing of Objectives for Each Stage (Primary, Secondary and Sr. Secondary), Writing Objectives in Behavioural Terms for Each Stage

	24.09.25-30.09.25	• Piaget ‘s Operational Thinking, Emphasis on the Use of Mathematics in Daily Life Situations
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	• Role of Mathematics in Other Subject Areas – Interdisciplinary Approaches
	15.10.25-18.10.25	• Developing Skills in Learners - Problem Solving, Logical Thinking, Drawing Inferences, Handling Abstraction, Visualising Etc. in Learner’s Personality
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• History of Development of Mathematics and Contributions of Indian Mathematicians, Designing And Setting up Models
November	01.11.25-07.11.25	• Teaching Aids and Activities/ Laboratory Work -Using Open Source Software in Mathematics Lesson (Expressive Way- To Create their Own from Scratch, as they Express Themselves with Contentment by Means of a More Open Application or Resource)
	08.11.25-14.11.25	Unit 4: • Identifying Activity in Several Content Areas at Secondary Level Conducive to the Comprehension Level of Learner, Inculcating Skills in Designing, Demonstrating, Interpreting and Drawing Inference of Digital Applets/Concrete Models
	15.11.25-20.11.25	• Providing Opportunities for Group Activities, Hands on Experimentation within Digital Environment, Group/ Individual Presentation.
	21.11.25-24.11.25	• Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics. • Designing And Setting up Models, Teaching Aids and Activities/ Laboratory Work, Visit to District, State and National Level Science Exhibition
		• Digital Presentation Followed by Its Analysis and Discussion, Reflective Written Assignments, Case Studies, Audio Visual Presentation Followed by its Analysis and Discussion
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

Lesson Plan

Session: 2025-2026 **Class: B.A. B.Ed. Sem. 5**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: CPSPM 301**

Nomenclature of the Paper: Pedagogy of Mathematics I

Month	Week	Topics
July	22.07.25-26.07.25	**Unit-1** • Human Needs as a Basis of Growth in Mathematics, Mathematical Statements are Unambiguous, Truth Criteria, Use of Symbols
	27.07.25- 31.07.25	• The Role of Intuition and Logic in Mathematical Thinking • Axiomatic Framework of Mathematics: Axioms, Postulates, Undefined Terms, Defined Terms
August	01.08.25-05.08.25	• Reasoning, Type of Reasoning, Proofs - Types of Proofs • Language of Mathematics
	06.08.25-12.08.25	• Cultivating Learner's Sensitivity Like Listening, Encouraging Learner for Probing • Raising Queries, Appreciating Dialogue Among Peer Group, Promoting the Student's Confidence Mathematical Thinking
	13.08.25-17.08.25	**Unit-2** • Exploring Ways of Learning Engagements
	20.08.25-24.08.25	• Providing Opportunities for Group Activities, Group/Individual Presentation, Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics
	27.08.25-31.08.25	• Visit to District, State and National Level Science Exhibition/ Field Visit, Audio Visual Presentation Followed by its Analysis and Discussion, Reflective Written Assignments, Case Studies
September	02.09.25-07.09.25	**Unit 3:** • Need for and Importance of Mathematics in School Curriculum
	09.09.25-14.09.25	• Social Aspects • Mathematical Aspects
	16.09.25-21.09.25	• Applications of Mathematics, Aims, Objectives and Scope of Mathematics at the Secondary Stage, Writing of Objectives for Each Stage (Primary, Secondary and Sr. Secondary), Writing Objectives in Behavioural Terms for Each Stage

	24.09.25-30.09.25	• Piaget 's Operational Thinking, Emphasis on the Use of Mathematics in Daily Life Situations
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	• Role of Mathematics in Other Subject Areas – Interdisciplinary Approaches
	15.10.25-18.10.25	• Developing Skills in Learners - Problem Solving, Logical Thinking, Drawing Inferences, Handling Abstraction, Visualising Etc. in Learner's Personality
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• History of Development of Mathematics and Contributions of Indian Mathematicians, Designing And Setting up Models
November	01.11.25-07.11.25	• Teaching Aids and Activities/ Laboratory Work -Using Open Source Software in Mathematics Lesson (Expressive Way- To Create their Own from Scratch, as they Express Themselves with Contentment by Means of a More Open Application or Resource)
	08.11.25-14.11.25	**Unit 4:** • Identifying Activity in Several Content Areas at Secondary Level Conducive to the Comprehension Level of Learner, Inculcating Skills in Designing, Demonstrating, Interpreting and Drawing Inference of Digital Applets/Concrete Models
	15.11.25-20.11.25	• Providing Opportunities for Group Activities, Hands on Experimentation within Digital Environment, Group/ Individual Presentation.
	21.11.25-24.11.25	• Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics. • Designing And Setting up Models, Teaching Aids and Activities/ Laboratory Work, Visit to District, State and National Level Science Exhibition
		• Digital Presentation Followed by Its Analysis and Discussion, Reflective Written Assignments, Case Studies, Audio Visual Presentation Followed by its Analysis and Discussion
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

LESSON PLAN

SESSION: 2025-2026 **Class: B.Sc. B.Ed. Sem. 7**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: MTH 401**

Nomenclature of the Paper: Number Theory and Theory of Equations

Month	Week	Topics
July	22.07.25-26.07.25	**Unit 1:** • Division Algorithm, Prime and Composite Numbers
	27.07.25- 31.07.25	• Proving The Existence and Uniqueness of GCD
August	01.08.25-05.08.25	• The Euclidean Algorithm
	06.08.25-12.08.25	• Fundamental Theorem of Arithmetic
	13.08.25-17.08.25	• The Least Common Multiple
	20.08.25-24.08.25	• Congruences
	27.08.25-31.08.25	• Linear Congruences
September	02.09.25-07.09.25	• **Unit 2:** • Sigma Function
	09.09.25-14.09.25	• Tau Function, Phi Function
	16.09.25-21.09.25	• Wilson's Theorem, Simultaneous Congruences
	24.09.25-30.09.25	• Theorem of Euler- Fermat and Lagrange
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	**Unit 3:** • Continued Fractions, Relation Between Roots and Coefficients
	15.10.25-18.10.25	• Symmetric Functions
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• Transformations
November	01.11.25-07.11.25	• Reciprocal Equations, Descartes Rule of Signs
	08.11.25-14.11.25	**Unit 4:** • Solving Cubic Equation by Cardon's Method
	15.11.25-20.11.25	• Solving Quartic Equations by Descartes Method
	21.11.25-24.11.25	• Solving Quartic Equations By Ferrari's Method
		• Revision
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

LESSON PLAN

Session: 2025-2026 **Class- B.A,B.Ed. 3rd Sem**

Teachers Incharge: - Ms. Sheetal Verma

Subject-Schooling, Socialization and Identity

Month	**Week**	**Topic**
July	Unit – 1 **22.07.2025-26.07.2025**	understanding the nature and process of socialization.
	20.07.2025-31.07.2025	At home family as a social, institution; impact of parenting style / child rearing practices; transmission of parental expectations and values.
August	01.08.2025-06.08.2025	In the community neighbourhood, extend family,religious group and their socialisation functions.
	08.08.2025-18.08.2025	At school: impact of entry to school ; school as a social institution; value formation in the context of schooling.
	2nd Unit	
	19.08.2025.24.08.2025	understanding identity formation; emergence of multiple identities in the formation of a person placed in various social and institutional contexts; the need for inner coherence; managing conflicting identities.
	26.08.2025-30.08.2025	Determinants of identity formation in individuals and groups, such as caste, class, gender and religion.The influence of peer group, media message, technology and globalization on identity formation in contemporary Indian society.
September	02.09.2025-	Schooling as a process of identity formation; ascribed, acquired and evolving. Potential role of school in developing national, secular and humanistic identities.
	Unit - 3	
	16.09.2025-21.09.2025	Expending human activities and relations ; decreasing unhealthy competition, uncertainty and insecurities and the resultant identity conflicts.
	23.09.2025-28.09.2025	Indian concept of “vasudhaiva Kutumbakam “and “Sarvadharm Sambhava” Evolving a holistic identity of a teacher.

	29.09.2025-30.09.2025	Eveloving a identity as a teacher, which is progressive and open to re-construction. Teachers' professional identity and teacher's professional ethics.
October	01.10.2025-15.10.2025	Sessional Exam
	19-10.2025-26.10.2025	Diwali Vacations
	27.10.2025-31.10.2025	Introductory lectures cum discussion to introduced key themes of the course - socialisation, identity formation, sociological notions and experiential sense of self etc.
November	03-11-2025-08-11-2025	Observation of schools and classrooms through the lens of course themes ; interviews with teachers; making field notes.
	10-11-2025-15-11-2025	Group discussion and exploration, around selected readings and key questions. Viewing selected documentaries and film clippings.
	17-11-2025-20-11-2025	Assingment work
	21-11-2025-07-23-2025	Test and revision

LESSON PLAN

Session:2025-2026 **Class: BA BED 1ST SEM**

Teacher Incharge: Ms. Madhu Bhatia **Paper: AEC2(I)**

Subject: Information and Communication Technology (Ict) In Education-I

Month	week	Topic
July	22.07.2025- 31.07.2025	How technology enhance learning: Basic theories of communication, system theory and learning theory, historical account of the development of various educational media (audio, video, print, storage, display, projection)
August	01.08.2025 - 10.8.2025	Communication process and role of technology in communication, Information and Communication Technology: Meaning, nature and advantages
	12.08.2025 - 17.08.2025	Media literacy and digital literacy-need and importance, Digital divide and enhancing access, National ICT policies, curriculum, Schemes and programmes
	19.08.2025 - 24.08.24	Cyber security: privacy, hacking, Virus, spy ware, misuse, abuse, antivirus, firewall, and safe and ethical practices
	26.08.2025 - 31.08.2025	Computer hardware fundamentals (Anatomy, input devices, output devices, Storage devices, display devices)
September	02.9.2025 - 07.09.2025	Computer Networks-LAN, WAN, Internet –concept and architecture; Locating internet resources – browsing, navigating, searching, selecting, evaluating, saving and book marking
	09.09.2025- 14.09.2025	Licenses – software license, document license, fare use and privacy; File formats and conversion, utility tools, Cloud Computing: meaning, types, and advantages
	16.09.2025 - 21.09.2025	Digitalization, Software- meaning and types Source and binary code, Proprietary software, open-source software Shareware and freeware – concept, philosophy, types, and advantages
	23.9.2025 -30.09.2025	Operating system - meaning, types- Windows, Linux, Macintosh Navigating the desktop, control panel, file manager, explorer, and accessories
October	1.10.2025 -5.10.2025	Software as Service - Online software tools and applications and their educational use ,Managing the ICT infrastructure: Software installation, troubleshooting of hardware
	7.10.2025 -17.10.2025	seeking and providing help, storage and backup, updating and upgrading software, Application software- meaning and types; Word processing, spreadsheet, presentation: Features and educational applications (Unicode)
	18.10.2025 -24.10.2025	Drawing tools- Diagram, concept maps, timelines, flow charts: educational applications of these tools ,Web 2.0 Technology and tools: meaning, characteristics and types
	25.10.2025 -26.10.2025	Social networking and social bookmarking- educational applications ,Blog and micro blog – reflective journaling and other educational applications
	27.11.2025 - 0311.2025	Diwali Vacations
November	4.11.2025 - 6.11.2025	Wiki- collaborative authoring and projects, Instant messaging and its educational applications.
	11.11.2025 -13.11.2025	Social media sharing – video, presentations, audio(podcasts), graphics, and text;
	18.11.2025 -20.11.2025	Web 2.0 tools for creating, sharing
	21.11.2025 - 22.11.2025	Collaborating, networking

Lesson Plan

Session:2025-2026 **Class: BA BED 1ST SEM**

Subject: Information and Communication Technology (Ict) In Education-I

Paper: AEC2(I)

Teacher Incharge: Ms. Madhu Bhatia

Month	week	Topic
July	22-07-2025 to 31-07-2025	How technology enhance learning: Basic theories of communication, system theory and learning theory, historical account of the development of various educational media (audio, video, print, storage, display, projection)
August	01-08-2025 to 10-8-2025	Communication process and role of technology in communication, Information and Communication Technology: Meaning, nature and advantages
	12-08-2025 to 17-08-2025	Media literacy and digital literacy-need and importance, Digital divide and enhancing access, National ICT policies, curriculum, Schemes and programmes
	19-08-2025 24-08-24	Cyber security: privacy, hacking, Virus, spy ware, misuse, abuse, antivirus, firewall, and safe and ethical practices
	26-08-2025 to 31-08-2025	Computer hardware fundamentals (Anatomy, input devices, output devices, Storage devices, display devices)
September	02-9-2025 to 07-09-2025	Computer Networks-LAN, WAN, Internet –concept and architecture; Locating internet resources – browsing, navigating, searching, selecting, evaluating, saving and book marking
	09-09-2025 to 14-09-2025	Licenses – software license, document license, fare use and privacy; File formats and conversion, utility tools, Cloud Computing: meaning, types, and advantages
	16-09-2025 to 21-09-2025	Digitalization, Software- meaning and types Source and binary code, Proprietary software, open-source software Shareware and freeware – concept, philosophy, types, and advantages
	23-9-2025 to 30-09-2025	Operating system - meaning, types- Windows, Linux, Macintosh Navigating the desktop, control panel, file manager, explorer, and accessories
October	1-10-2025 to 5-10-2025	Software as Service - Online software tools and applications and their educational use Managing the ICT infrastructure: Software installation, troubleshooting of hardware
	7-10-2025 to 17-10-2025	seeking and providing help, storage and backup, updating and upgrading software, Application software- meaning and types; Word processing, spreadsheet, presentation: Features and educational applications (Unicode)
	18-10-2025 to 24-10-2025	Drawing tools- Diagram, concept maps, timelines, flow charts: educational applications of these tools .Web 2.0 Technology and tools: meaning, characteristics and types
	25-10-2025 to 26-10-2025	Social networking and social bookmarking- educational applications Blog and micro blog – reflective journaling and other educational applications
	27-11-2025 to 03-11-2025	Diwali Vacations
November	4-11-2025 to 6-11-2025	Wiki- collaborative authoring and projects, Instant messaging and its educational applications.
	11-11-2025 to 13-11-2025	Social media sharing – video, presentations, audio(podcasts), graphics, and text;
	18-11-2025 to 20-11-2025	Web 2.0 tools for creating, sharing
	21-11-2025 to 22-11-2025	Collaborating, networking

LESSON PLAN

Session: 2025-2026 **Class : B.Sc. B.Ed.s 1st Semester**

Name of the Facality : Ms. Saloni **Paper : Core course 3 (I)**

Nomenclature of the subject : Non chordata

Month	**Week**	**Topics to be covered**
July	22.07.25-26.07.25	UNIT 1-Outline classification of Protozoa up to order.
	28.07.25-31.07.25	General Structural organization of *Amoeba, Euglena and Plasmodium.*
August	01.08.25-05.08.25	Habit and habitat, structure, nutrition, osmoregulation and reproduction in *Paramecium*
	06.08.25-12.08.25	Locomotion in Protozoans- pseudopodial, ciliary and flagellar.
	13.08.25-17.08.25	Nutrition and Reproduction in Protozoa.
	20.08.25-24.08.25	UNIT 2-Outline classification of Porifera and Coelenterata up to order.
	27.08.25-31.08.25	Habit, habitat and general account of internal structure & reproduction in *Sycon.*
September	02.09.25-07.09.25	Canal system and skeleton in Sponges
	09.09.25-14.09.25	Habit, habitat, morphology, internal structure, nutrition and reproduction in *Obelia*
	16.09.25-21.09.25	Polymorphism in coelenterates, coral reefs
	24.09.25-30.09.25	UNIT 3-Outline classification of Platyhelminthes and Aschelminthes up to order. Habit and habitat, reproduction and life–cycle of *Fasciola* and *Ascaris.*
October	01.10.25-10.10.25	Sessional
	11.10.25-14.10.25	Parasitic adaptations in Helminthes, Outline classification of Annelida and Arthropoda up to order.
	15.10.25-18.10.25	*Peripatus*: structure and affinities, Mouth parts and feeding habits of Insects.

	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	Habit and habitat, structure, nutrition, respiration, circulation, excretion, nervous system and reproduction of *Hirudinaria.*
November	01.11.25-07.11.25	UNIT 4-Outline classification of Mollucsa and Ecinodermata up to order. Habit and habitat, structure, nutrition, respiration, blood vascular system, excretion, nervous system and reproduction of *Palaemon.*
	08.11.25-14.11.25	Habit and habitat, structure, nutrition, respiration, blood vascular system, excretion, nervous system and reproduction of *Pila.*
	15.11.25-20.11.25	Habit and habitat, structure, nutrition, respiration, blood vascular system, excretion, nervous system and reproduction of *Asterias.*
	21.11.25-24.11.25	Torsion in Gastropoda. Larval forms of Echinoderms.
	25.11.25-30.11.25	Examination
December		Test
		Revision Examination

LESSON PLAN

Session: 2025-2026 **Class: B.Sc B.Ed III SEM**

Name Of The Faculty: Ms. SHASHI **Paper Code: Core Course BOT 201**

Paper Name: Gymnosperms And Reproductive Biology In Flowering Plants

MONTH	WEEK	TOPICS
JULY	22.07.25-26.07.25	• **Unit I: Morphology and Anatomy of Gymnosperms**: General characters of Gymnosperms, Afinities, Economic Importance, Classification of Gymnosperms • **Cycadopsida - *Cycas***- Morphology
	28.07.25- 31.07.25	• **Cycadopsida - *Cycas***- Anatomy
AUGUST	01.08.25-02.08.25	• ***Cycas***- Reproduction
	04.08.25- 09.08.25	• **Coniferopsida**- ***Pinus***- Morphology
	11.08.25-16.08.25	• ***Pinus*** – Anatomy
	18.08.25-23.08.25	• ***Pinus***- Anatomy and Reproduction
	25.08.25-30.08.25	• **Gnetopsida- *Ephedra*** – Morphology and Anatomy
SEPTEMBER	01.09.25-06.09.25	• ***Ephedra***- Reproduction and Revision
	08.09.25-13.09.25	• **Unit II:** Flower-Structure,morphology, embryological perspective • **Microsporangium** – Development of wall layers, tapetum types, microsporogenesis, tetrad types.
	15.09.25-20.09.25	• **Male gametophyte** – Development and structure; vegetative and generative cells; male gametes • **Mega sporangium (ovule**): Development, types, mega sporogenesis and tetrad types.
	22.09.25-27.09.25	• **Female gametophyte**: Development, ultra structure, mono, bi and tetrasporic embryo sacs
	29.09-25-30.09.25	• **Unit III: Reproduction in Gymnosperms** Pollination and fertilization: Definitions, types of pollination
OCTOBER	01.10.25-04.10.25	• Pollen-pistil interaction, self-incompatibility ,double-fertilization
	06.10.25-11.10.25	• **Endosperm:** Definition, types – cellular, nuclear and helobial; endo spermhaustoria
	13.10.25- 18.10.25	• Embryo: Classification, types,development of Crucifer type
	20.10.25-26.10.25	• . **Diwali vacations**

	27.10.25-31.10.25	• **Unit IV- Angiosperm Embryology-** • **Fruit and seed**: Development, structure of monocot and dicot seeds, dispersal mechanisms, importance. • **Fruits**- Types, classification with examples
NOVEMBER	01.11.25-08.11.25	• Brief account of apomixis and polyembryony, causes and applications. Origin and evolution of Angiosperms, Fossil Angiosperms • Brief account of anther/ pollen culture, endosperm, embryo and protoplast culture, Applications of tissue culture
	10.11.25- 15.11.25	• Revision
	17.11.25-22.11.25	• Revision

LESSON PLAN

SESSION : 2025-2026 **CLASS : B.A. B.Ed. 3rd Semester**

NAME OF THE FACALITY: Ms. Karamjit Kaur **PAPER CODE: CBCED-I-201**

NOMENCLATURE OF THE SUBJECT: CBCED-I-201: Education: Guidance & Counselling In School

Month	Week	Topics to be covered
July	22.07.25-26.07.25	• Meaning, Nature & Functions of Guidance , Principles of Guidance. • Need of Guidance at various stages of life.
	28.07.25-31.07.25	• Types of Guidance: (i)Educational Guidance – Meaning and need at Secondary level. (ii) Vocational Guidance – Meaning and need at Secondary level.
August	01.08.25-05.08.25	(iii) Personal Guidance – Meaning and need at Secondary level • Meaning, Nature and Functions of Counselling
	06.08.25-12.08.25	• Theories of Counselling: -Theory of Self (Rogers) -Rational Emotive Behaviour
	13.08.25-17.08.25	•Types of Counselling: Directive, Non directive, Eclectic.
	20.08.25-24.08.25	-Process of Counselling (Initial disclosure, in depth exploration and commitment to action).
	27.08.25-31.08.25	• Tests: Aptitude, Attitude, Interest.
September	02.09.25-07.09.25	• Achievement tests Personality, IQ
	09.09.25-14.09.25	- Emotional, Mental ability, Intelligence etc.
	16.09.25-21.09.25	•Techniques used in guidance: Questionnaire, Interview schedule
	24.09.25-30.09.25	Case study, Diary and Autobiography. Professional efficacy and interest
October	01.10.25-10-10.25	SESSIONAL
	11.10.25-14.10.25	-Dealing with depression and academic stress (with regard to their identification and intervention).
	15.10.25-18.10.25	Guidance Implication in (Current Indian scenario, Education and.

	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	-Skills in Counselling (Listening)
November	01.11.25-07.11.25	Skills in Counselling- Questioning, Responding, Communicating
	08.11.25-14.11.25	•Role of Teacher as a counsellor and professional ethics associated with it.
	15.11.25-20.11.25	Career Counselling
	21.11.25-24.11.25	-Dissemination of Occupational Information
	25.11.25-30.11.25	Examination
December		Test
		Revision Examination

LESSON PLAN

Session: 2025-2026 **Class : B.Sc. B.Ed./B.A. B.Ed. 3rd Sem**

Name of the faculty: Mrs. Deepshikha Jain

Nomenclature of the paper : MTH 201:MATHEMATICS LINEAR ALGEBRA

Month	Week	Topics to be covered

July	22.07.25-26.07.25	• Matrices
		• determinants, Basic properties of determinants, Co-factor expansion
		• Elementary matrices, invertible matrices
		• system of linear equations
		  ○ Gauss elimination method
		  ○ Gauss-Jordan method for finding inverse of a matrix

	28.07.25-31.07.25	• Vector space • Subspaces
August	01.08.25-05.08.25	• Linear combinations,Linear span • Linear dependence and Linear independence of vectors • Basis and Dimension.
	06.08.25-12.08.25	• Finite dimensional vector space-some properties • Quotient spaces • Homomorphism of vector spaces • Isomorphism of vector spaces,Direct sum
	13.08.25-17.08.25	• inner product spaces ➢ CLASS TEST OF UNIT 1
	20.08.25-24.08.25	• Euclidean vector spaces • Distance, Length, Properties
	27.08.25-31.08.25	• Orthogonal vectors • Gramm Schmidt Orthogonalisation Process • Orthogonal Complement
September	02.09.25-07.09.25	• Matrices of lineartransformations • Change of basis and the effect of associated matrices
	09.09.25-14.09.25	• Kernal and Image of a Linear transformation • Rank Nullity theorem,
	16.09.25-21.09.25	• Singular and Nonsingular linear transformations • Elementary matrices and transformations • Similarity, Eigen values, Eigen Vectors
	24.09.25-30.09.25	• Diagonalisation, • Characteristic polynomial • Cayley-Hamilton theorem • Minimal polynomial.
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	• Quadratic curves Surfaces
	15.10.25-18.10.25	Sphere
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	• Cylinder CLASS TEST OF UNIT -3
November	01.11.25-07.11.25	• Cone, Ellipsoid

	08.11.25-14.11.25	• Hyperboloid, Paraboloid
	15.11.25-20.11.25	➢ CLASS TEST OF FIRST HALF OF UNIT -4 ➢ CLASS TEST OF UNIT -1
	21.11.25-24.11.25	➢ CLASS TEST OF UNIT -2 ➢ CLASS TEST OF UNIT -3 CLASS TEST OF UNIT -4
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class :B.Sc. B.Ed 3rd Semester**

Name of the faculty : Ms.Twinkle Sharma

Nomenclature of the paper :Phy-201

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit I: Electro Statics:** Coulomb's law, calculations of E for simpledistributions of charges at rest, dipole and quadrupole fields, Work done on a charge in an electrostatic field, conservative nature of the electrostatic field
	27.07.25-31.07.25	Electric potential,relation between electric field and electric potential, torque on a dipole in a uniform electric field and its energy, flux of the electric field,
August	01.08.25-05.08.25	Gauss's law and its application for finding E for symmetric charge distributions, Gaussian pillbox, Fields at the surface of conductor, Screening of E field by a conductor
	06.08.25-12.08.25	Capacitors, electrostatic field energy, force per unit area of the surface of conductor in an electric field, conducting sphere in a uniform electric field, point charge in front of a grounded infinite conductor.
	13.08.25-17.08.25	**Unit II: Dielectrics:** Parallel plate capacitor with a dielectric, dielectric constant, polarization and polarization vector, displacement vector D, molecular interpretation of Claussius – Mossotti equation
	20.08.25-24.08.25	boundary conditions satisfied by E and D at theinterface between two homogenous dielectrics, illustration through simple example.
	27.08.25-31.08.25	**Unit-III: Electric Currents (steady and alternating):** Steady current, current density J, non-steady currents and continuity equation, Kirchoff's law and analysis of multi loop circuits, rise and decay of current in LR and CR circuits.
September	02.09.25-07.09.25	Decay constants, transients in LCR circuits, AC circuits, complex numbers and its application in solving AC circuit problems, complex impedance and reactance.
	09.09.25-14.09.25	Measurement of capacitance using impedance at different frequencies, series and parallel resonance, Q factor,
	16.09.25-21.09.25	power consumed by an AC circuit, power factor, Y and networks and transmission of electric power.
	24.09.25-30.09.25	**Unit-IV: Magneto statics:** Force on a moving charge: Lorentz force, equation and definition of B, force on a straight conductor carrying current in a uniform magnetic field,
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	Torque on a current loop, magnetic dipole moment, angular momentum and gyromagnetic ratio

	15.10.25-18.10.25	**Motion of charged particles in electric and magnetic fields:** Linear accelerator, E as deflecting field – CRO, sensitivity, Transverse B field, curvatures of tracks for energy determination of nuclear particles
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	principle of a cyclotron, Mutually perpendicular E and B fields- mass spectrograph, velocity selector, its resolution,response curve for LCR circuit and resonance frequency, quality factor.
November	01.11.25-07.11.25	**Magnetic Fields in Matter:** Biot-Savart law, calculation of H in simple geometrical situations, Ampere's Law, the divergence and curl of B, field due to a magnetic dipole, magnetization current, magnetization vector,
	08.11.25-14.11.25	Magnetic permeability (linear cases), interpretation of a bar magnet as a surface distribution of solenoidal current, the field of a magnetized object.
	15.11.25-20.11.25	Plane electromagnetic wave in vacuum, Wave equation for E and B of linearly, Circularly and elliptically polarized electromagnetic waves, Poynting vector, Reflection and Refraction at a plane boundary of dielectrics,
	21.11.25-24.11.25	Polarization by Reflection and total internal Reflection, Faraday effect, Wave in conducting medium, Reflection and Refraction by the ionosphere.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

SESSION: 2025-2026 **CLASS: B.Sc. B.Ed. 3rd SEM**

TEACHER IN CHARGE: Ms. Saloni **PAPER CODE: 201**

SUBJECT: ZOOLOGY- Animal cell biology and Genetics

Month	Week	Topics
July	22.07.25 -26.07.25	**UNIT 1: CELL-** Introduction to cell: Discovery, Characteristics of prokaryotic (Bacterial) and eukaryotic cells (plant and animal cells), cell theory, viruses and viroids.
	29.07.25 - 31.07.25	Cell membrane, Ultra structure, chemical composition, models, unit membrane concept, fluidity, glycocalyx, and functions of the cell membrane.
August	01.08.25-05.08.25	Transport across cell membrane, Passive transport (osmosis, diffusion), facilitated diffusion; active transport (primary and secondary) and endocytosis and exocytosis.
	06.08.25-12.08.25	Mitochondria, ultra structure, chemical composition, function , origin.
	13.08.25-17.08.25	Electron transport chain and generation of ATP molecule
	20.08.25-24.08.25	Nucleus occurrence, number, shape, size and structure (nuclear envelopes, nuclear matrix and nucleolus)
	27.08.25-31.08.25	**UNIT 2: CELL ORGANELLE-** Ultra structure, types, chemical composition and functions of a) ER and Golgi complex b) Lysosmes, Ribosomes c) Centrioles d) Cilia and Flagella
September	02.09.25-07.09.25	Chromosomes: Introduction, structure, types, chemical composition and function. Chromosomal organisations, Nucleosomes concepts, Euchromatin, heterochromatin.
	09.09.25-14.09.25	**UNIT 3: CELL CYCLE AND DIVISION-**Cell reproduction: cell cycle and significance of mitosis and meiosis. Regulation of cell cycle.
	16.09.25-21.09.25	Mendelian principles of inheritance: monohybrid and dihybrid cross, back cross and test cross and deviation of Mendelism-incomplete dominance, co-dominance with example.
	24.09.25-30.09.25	Gene interactions: Epistasis, complementary, supplementary, duplicate genes. Multiple alleles: Characters, examples pseudoalleles, inheritance of A, B, AB, O and Rh blood groups(antibody reaction)
October	01.10.25-10-10.25	**Sessional**
	11.10.25-14.10.25	UNIT 4: GENETICS- Chromosomal mutation-chromosomal number variation, structural changes, Sex determination: Genetic (sex chromosomes, genetic balance and haplo-diploidy mechanism).
	15.10.25-18.10.25	Hormonal and environmental control of sex determination with

		examples. Linkage: Defination, difference between linkage and independent assortment.
	19.10.25-26.10.25	**Diwali Vacation**
	27.10.25-31.10.25	Chromosomal theory of linkage, kinds, linkage groups and significance.
November	01.11.25-07.11.25	Sex linked inheritance: White eyes colour in *Drosophila*.
	08.11.25-14.11.25	Colour blindness and haemophilia in man.
	15.11.25-20.11.25	Crossing over: Defination, mechanism, theories, kinds, frequency, factors affecting crossing over and significance.
	21.11.25-24.11.25	Theories, kinds, frequency of crossing over. Factors affecting crossing over and significance
December	01.12.25-20.12.25	**Examinations**

LESSON PLAN

Session: 2025 -2026 **CLASS: B.Sc B.Ed I SEM**

Name of the Faculty: Ms. SHASHI **Paper Code: Core Course1 (I) BOT 101**

Paper Name: Diversity Of Microbes And Lower Plants

Month	Week	Topics to be Covered
July	22.07.25-26.07.25	• **Unit I- Viruses and Bacteria:** Introduction to viruses and bacteria
	28.07.25- 31.07.25	• Structure, multiplication of viruses • Transmission and disease symptoms of viruses
August	01.08.25-02.08.25	• Structure and economic importance of Mycoplasma Economic Importance of Bacteria and Gram's staining, Revision
	04.08.25- 09.08.25	• Bacteria: Structure , Nutrition, Reproduction • General account and economic importance of Cyanobacteria
	11.08.25-16.08.25	• Study of *Spirulina,* • *Nostoc* • Study of *Oscillatoria*
	18.08.25-23.08.25	• Revision, Oral Testing of Unit- I • **Unit II- Algae :** General account of occurrence, structure, thallus organisation, reproduction, economic importance and classification.
	25.08.25-30.08.25	• Study of the structure, reproduction and life- cycle of : • Chlorophyceae: *Chlamydomonas, Volvox*
September	01.09.25-06.09.25	• *Oedogoinum* • Phaeophyceae: *Sargassum*
	08.09.25-13.09.25	• Rhodophyceae: *Polysiphonia, Batrachospermum*
	15.09.25-20.09.25	• Bacillariophyceae: General account, structure and reproduction of diatom, economic importance.
	22.09.25-27.09.25	• **Unit III- Fungi:** General account of occurrence, structure, thallus organisation, reproduction, economic importance and classification, Plant pathology
	29.09-25-30.09.25	• Study of the structure, reproduction and life- cycle of: • Phycomycetes- *Albugo,*
October	01.10.25-04.10.25	• *Phytophthora*
	06.10.25-11.10.25	• Ascomycetes- *Yeast and Penicillium*
	13.10.25- 18.10.25	• Myxomycetes- *Stemonitis*
	20.10.25-26.10.25	• Diwali Vacations
	27.10.25-31.10.25	• **Unit IV- Lichens:** • Basidiomycetes: *Puccinia*

November	01.11.25-08.11.25	• *Agaricus* • Deuteromycetes: *Cercospora, Colletotrichum*
	10.11.25- 15.11.25	• *Alternaria* • Lichens- General account , characters, distribution, types • Structure, reproduction and economic importance of Lichens.
	17.11.25-22.11.25	• Oral or written test • Revision

LESSON PLAN

Session: 2025-2026 **Class: B.Sc.B.Ed.Sem-1 ST**

Name of the Faculty: MS. RAJNI **Paper Code: AEC1**

Name of the Paper: LANGUAGE SKILLS (ENGLISH)-1

Month	Week	Topics to be covered
July	22.07.25-26.07.25	Unit 1: TENSES: (a) Simple present: habitual action, general truths, future time, verbs of state, verbs of perception, verbs of sensation
	28.07.25-31.07.25	narration, use of simple present for demonstration and commentaries
August	01.08.25-09.08.25	present perfect, present perfect continuous also indicative of future action
	11.08.25-16.08.25	(b) Simple past, past time reference, future time reference, past continuous
	18.08.25-23.08.25	past perfect, past perfect continuous
	25.08.25-30.08.25	Unit 2: Negotiating a point of view – learning to talk persuasively so as to get across one's perspective
September	01.09.25-06.08.25	Debating on issue- agreeing/ disagreeing
	08.09.25-13.08.25	Unit 3: Note making, Note taking; summary writing
	15.09.25-20.09.25	Comprehension skills, extract from literary, scientific and educational journals
	22.09.25-27.09.25	Unit 4: Advanced writing skills, writing advertisement copy
	29.09.25-30.09.25	REVISION AND TEST
October	01.10.25-04.10.25	SESSIONAL EXAMS
	06.10.25-11.10.25	SESSIONAL EXAMS
	13.10.25-18.10.25	Sending an application, listening effectively ,Writing a project proposal and writing resume
	20.10.25-25.10.25	DIWALI VACATION
	27.10.25-31.10.25	Talking about one self(likes, dislikes, interest, beliefs, personality traits, ambitions
November	01.11.25-08.11.25	Expressing an opinion about personal belief on current issue(Ability to speak fluently , focus would be organized logical, sequential presentation of thought through spontaneous speech
	10.11.25-15.11.25	REVISION and TEST
	17.11.25-24.11.25	PREPARATION FOR EXAMS

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed./B.A. B.Ed. 1st Sem.**

Name of the faculty: Mrs. Deepshikha Jain

Nomenclature of the paper: MTH101- MATHEMATICS CALCULUS

Month	Week	Topics to be covered
July	22.07.25-26.07.25	• GAUSS DIVERGENCE THEOREM
	28.07.25-31.07.25	• GREEN'S THEOREM
August	01.08.25-05.08.25	• STOKE'S THEOREM
	06.08.25-12.08.25	• CONTINUITY & DIFFERENTIABILITY OF VECTOR FUNCTION • TANGENTS AND NORMAL
	13.08.25-17.08.25	• SUBTANGENT AND SUBNORMAL (CARTESIAN & POLAR FORMS)
	20.08.25-24.08.25	• Derivative of an arc (Cartesian and polar) • pedal equations
	27.08.25-31.08.25	• curvature, • Asymptotes ➢ CLASS TEST OF FIRST HALF OF UNIT-2
September	02.09.25-07.09.25	• multiple points • curve tracing • Cartesian
	09.09.25-14.09.25	• parametric • polar
	16.09.25-21.09.25	➢ CLASS TEST OF SECOND HALF OF UNIT-2 • Envelops and Evolutes
	24.09.25-30.09.25	➢ CLASS TEST OF UNIT- 4 • Applications of definite integral • Area between two curves
October	01.10.25-10-10.25	Sessional.
	11.10.25-14.10.25	• Polar coordinates • Cylindrical and Spherical coordinates • Graphs of polar coordinates ➢ CLASS TEST OF FIRST HALF OF UNIT-1
	15.10.25-18.10.25	• Area between two curves when their equations are given in polar coordinates • Length of a curve • Surface area
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	• Area of surface of revolution • Double integral • Volumes and Areas
November	01.11.25-07.11.25	• Change of variable in a double integral • special case: Polar coordinates, • Triple integral, Applications • Change of variables in a triple integral
	08.11.25-14.11.25	➢ CLASS TEST OF FIRST HALF OF UNIT-3

		➢ CLASS TEST OF FIRST HALF OF UNIT-3 ➢ CLASS TEST OF UNIT-1
	15.11.25-20.11.25	➢ CLASS TEST OF UNIT-2 ➢ CLASS TEST OF UNIT-3 ➢ CLASS TEST OF UNIT-4
	21.11.25-24.11.25	• REVISION
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class : B.Sc. B.Ed 1st Semester**

Name of the faculty : Ms.Twinkle

Nomenclature of the paper : Phy-101

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit-1 Relativity:** Reference systems, inertial and non-inertial frames, Galilean transformation, Galilean invariance and conservation laws, propagation of light,
	28.07.25-31.07.25	Michelson – Morley experiment. Postulates of the special theory of relativity,
August	01.08.25-05.08.25	Lorentz transformations, length contraction, time dilation, velocity addition theorem
	06.08.25-12.08.25	variation of mass with velocity, mass-energy equivalence, particle with a zero rest mass.
	13.08.25-17.08.25	**Unit-2 Mechanics**: Motion under central force, Kepler's laws, Gravitational law and field,Potential due to a spherical body, Gauss and Poisson equations for gravitational potential,gravitational self-energy
	20.08.25-24.08.25	Rigid body motion, Rotational motion, Moment of inertia and their products, principal moments and axes, Euler's equations.
	27.08.25-31.08.25	System of particles, centre of mass, equation of motion, single stage and multistage rocket,
September	02.09.25-07.09.25	Energy and momentum conservation, concepts of elastic and inelastic collisions.
	09.09.25-14.09.25	**Unit-3 Oscillations**: Potential well and periodic oscillations, cases of harmonic oscillations,different equations and its solutions, Kinetic and potential energy
	16.09.25-21.09.25	Simple Harmonic oscillations in – Spring and mass system, Simple and compound pendulum, Torsional pendulum,Bifilar oscillations, Helmholtz resonator
	24.09.25-30.09.25	LC circuits, Vibration of a magnet, Oscillation of two masses connected by a spring, Superposition of two mutually perpendicular simple harmonic vibrations of same frequency, Lissajou's figures.
October	01.10.25-10.10.25	Sessional.
	11.10.25-14.10.25	**Unit-4-Coupled Oscillations & Acoustics:** Two coupled oscillators, normal modes, N-coupled oscillators, damped harmonic oscillators,
	15.10.25-18.10.25	Power dissipation, Quality factor, Driven harmonic oscillator, Transient and steady state,

	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Power absorption, Resonance in system with many degrees of freedom.
November	01.11.25-07.11.25	**Acoustics:** Noise and Music, The human ear and its responses, limits of human audibility, intensity and loudness, bel and decibel.
	08.11.25-14.11.25	The musical scale, temperament and musical instruments,Production and detection of ultrasonic and infrasonic waves and applications,
	15.11.25-20.11.25	Transducers and their characteristics, recording and reproduction of sounds, various systems, measurements of frequency
	21.11.25-24.11.25	Waveform, intensity and velocity, acoustics of halls, reverberation period, Sabine's formula.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.Sc B.Ed V SEM**

Name Of The Faculty: Ms. SHASHI **Paper Code: Core Course1(V) BOT 301**

Paper Name: Cell Biology and Genetics

MONTH	WEEK	TOPICS
July	22.07.25-26.07.25	• **Unit I: Cell Biology-** Basic principles of microscopy, Light, fluroscent, phase contrast, UV and electron microscope • Ultrastructure of prokaryotic and eukaryotic cell
	28.07.25- 31.07.25	• Ultrastructure and function of Cell wall, cell membrane,
August	01.08.25-02.08.25	• Golgi complex, Endoplasmic reticulum,
	04.08.25- 09.08.25	• Mitochondria
	11.08.25-16.08.25	• **Unit II:** Ultrastructure and function of Chloroplast, Ribosome, Lysosome and microbodies
	18.08.25-23.08.25	• Ultrastructure and function of Nucleus
	25.08.25-30.08.25	• Brief account of morphology and organisation of prokaryotic and eukaryotic chromosome, Nucleosome model, concept of karyotype and ideogram
September	01.09.25-06.09.25	• **Unit III- Chromosomal alterations:** • **Structural variations**- Deletion, Duplication, Inversion and Translocation
	08.09.25-13.09.25	• **Numerical variations**- Aneuploidy and euploidy • **Mutations**- Types, Transponsable genetic elements
	15.09.25-20.09.25	• Cell division- Cell cycle, events of cell division, karyokinesis, cytokinesis, Mitosis, meiosis and their significance
	22.09.25-27.09.25	• **Unit-IV- Genetics**- Mendelism- Review of Mendel's law of inheritance, solving problems related to Mendel's law and Revision
	29.09-25-30.09.25	• Inheritance of genes: Incomplete dominance, complementary genes action (flower colour in sweet pea)
October	01.10.25-04.10.25	• Supplementary gene action(coat colour in mice), epistasis (fruit colour in summer squash), multiple factor inheritance (ear size in maize)
	06.10.25-11.10.25	• Linkage and crossing over
	13.10.25- 18.10.25	• Sex determination in Plants, Cytoplasmic inheritance-
	20.10.25-26.10.25	• . **Diwali vacations**
	27.10.25-31.10.25	• presence and functioning of mitochondrial and plastid DNA ,
November	01.11.25-08.11.25	• Cytoplasmic male sterility
	10.11.25- 15.11.25	• Revision
	17.11.25-22.11.25	• Revision

LESSON PLAN

Session: 2025-2026 **Class : B.Sc B.Ed 5TH SEMESTER**

Name of the faculty: Ms Ramandeep Kaur **Paper code: CHM 301:CHEMISTRY:**

Nomenclature of the paper: Chemistry-I **PHYSICAL CHEMISTRY**

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit I: Electrochemistry** Electrical transport-conduction in metals and in electrolyte solutions, specific conductance and equivalent conductance, measurement of equivalent conductance, variation of equivalent and specific conductance with dilution. Migration of ions and Kohlrausch law, Arrhenius theory of electrolyte dissociation and its limitations, weak and strong electrolytes, Ostwald's dilution law its uses and limitations.
	29.07.25-31.07.25	Debye-Huckel-Onsager's equation for strong electrolytes (elementary treatment only). Transport number, definition and determination by Hittorf method and moving boundary method. Applications of conductivity measurements; determination of degree of dissociation, determination of K_a of acids, determination of solubility product of a sparingly soluble salt, conductometric titrations.
August	01.08.25-04.08.25	Types of reversible electrodes-gas-metal ion, metal-insoluble salt anion and redox electrodes. Electrode reactions, Nernst equation, derivation of cell E.M.F. and single electrode potential, standard hydrogen electrode-reference electrodes-standard electrode potential, sign conventions, electrochemical series and its significance. Electrolytic and Galvanic cells-reversible and irreversible cells, conventional representation of electrochemical cells.
	05.08.25-11.08.25	• EMF of a cell and its measurements. Computation of cell EMF. Calculation of thermodynamic quantities of cell reactions (ΔG, ΔH, and K), polarization, over potential and hydrogen overvoltage. Concentration cell with and without, liquid junction potential, application of concentration cells, valency of ions, solubility product and activity coefficient, potentiometric titrations. Definition of pH and pK_a determination of pH using hydrogen, quinhydrone and glass electrodes, by potentiometric methods. Buffers-mechanism of buffer action, Handerson-hazel equation. Hydrolysis of salts. Corrosion-types, theories and methods of combating it.
	12.08.25-18.08.25	**Unit II: Chemical Equilibrium** • **Chemical Equilibrium:** Equilibrium constant and free energy. Thermodynamic derivation of law of mass action. Le Chatelier's principle. Reaction isotherm and reaction isochore – Clapeyron equation and Clausius – Clapeyron equation, applications.

	19.08.25-24.08.25	**Phase Equilibrium:** statement and meaning of the terms – phase, component and degree of freedom, derivation of Gibbs phase rule, phase equilibria of one component system-water, CO_2 and S systems .Phase equilibria of two component system – solid – liquid equilibria, simple eutectic-Bi-Cd, Pb-Ag systems, desilverisation of lead. Solid solutions – compound formation with congruent melting point (Mg-Zn) and incongruent melting point.
	26.08.25-30.09.25	• ($NaCl-H_2O$), ($FeCl_3-H_2O$) system. Freezing mixtures, acetone-dry ice. Liquid-liquid mixtures- Ideal liquid mixtures, Raoult's and Henry's law. Non-ideal system-azeotropes- $HCl-H_2O$ and ethanol – water systems. Partially miscible liquids – Phenol-water, trimethylamine-water, nicotine-water systems. Lower and upper consolute temperature. Effect of impurity on consolute temperature. Immiscible liquids, steam distillation. Nernst distribution law-thermodynamic derivation, applications.
September	02.09.25-07.09.25	**Unit III: Chemical Kinetics** • Chemical kinetics and its scope, rate of a reaction, factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light catalyst, concentration dependence of rates, mathematical characteristics of simple chemical reactions – zero order, first order, second order, pseudo order, half-life and mean life.
	09.09.25-14.09.25	• Determination of the order of reaction – differential method, method of integration, method of half-life period and isolation method.
	16.09.25-21.09.25	Experimental methods of chemical kinetics: conductometric, potentiometric, optical methods, polarimetry and spectrophotometer. Theories of chemical kinetics: effect of temperature on rate of reaction, Arrhenius equation, concept of activation energy.
	23.09.25-28.09.25	**Unit IV: Elementary Quantum Mechanics** De Broglie hypothesis, the Heisenberg's uncertainty principle, physical interpretation of the wave function, postulates of quantum mechanics, particle in a one dimensional box.
October	30.09.25-05-10.25	Schrodinger wave equation for H-atom, separation into three equations (without derivation), quantum numbers and their importance.
	01.10.25-12.10.25	Sessional
	13.10.24-18.10.24	• Hydrogen like wave functions, radial wave functions, angular wave functions.
	19.10.25-26.10.25	Diwali vacations
	27.10.25-03.11.25	Sinusoidal wave equation, Hamiltonian operator, Schrodinger wave equation and its importance.
November	04.11.25-09.11.25	Class test
		ASSIGNMENTS
	11.11.25-21.11.25	REVISION
	24.11.25 onwards	EXAMINATION

LESSON PLAN

Session: 2025-2026 **Class: B.A/B.Sc.B.Ed.5th Sem.**

Name of the faculty : Dr. Gurmeet Kaur

Nomenclature of the paper :Learning Assessment

Month	Week	Topic to be covered
July	22.07.2025-26.07.2025	Perspective on assessment and evaluation of learning in a constructivist paradigm
	28.07.2025-31.07.2025	Distinction between 'assessment of learning' and 'assessment for learning' Feedback as an essential component of formative assessment
August	01.08.2025-05.08.2025	Use of assessment for feedback; for taking pedagogic decisions
	06.08.2025-12.08.2025	Developing and maintaining a comprehensive learner profile
	13.08.2025-17.08.2025	Purposes of assessment in a 'constructivist' paradigm: engage with learners' minds in order to further learning in various dimensions
	20.08.2025-24.08.2025	Promote development in cognitive, social and emotional aspects Meaning and Objectives of : test, measurement examination, and evaluation
	27.08.2025-31.08.2025	Formative And Summative Evaluation
September	02.09.25-07.09.25	Continuous And Comprehensive Evaluation
	09.09.25-14.09.25	Grading And Its Types Purposes of reporting: to communicate progress and profile of learner basis for further pedagogic decisions Reporting a consolidated learner profile
	16.09.25-21.09.25	Impact of examination-driven schooling On Pedagogy: content-confined, information focused testing;
	24.09.25-30.09.25	Activity centric teaching and testing De-linking school-based assessment from examinations some possibilities and alternative practices
October	01.10.25-10.10.25	**Sessional Exam**
	11.10.25-14.10.25	Contexts of assessment: subject- related and person- related
	15.10.25-18.10.25	Efforts towards examination reforms in India based on: NPE,1986; POA, 1992; NCF, 2000 and 2005 and National Focus Group Position Paper on Examination Reforms (Discussion should cover analysis of recommendations, implementations and the emerging concerns)
	19.10.25-26.10.25	**Diwali Vacations**
	27.10.25-31.10.25	Action Research in improving classroom practices: concept,need and steps of action research, action research as an approach to improve class and school practices. Development
November	01.11.25-07.11.25	Teacher competencies Visualizing appropriate assessment tools for specific contexts, content, and student Achievement test:

		meaning, need, steps and blue print.
	08.11.25-14.11.25	Evolving suitable criteria for assessment Organizing and planning for student portfolios and developing rubrics for portfolio assessment
	15.11.25-20.11.25	Statistical tools- percentage, graphical representation,frequency distribution, central tendency, variation, normal distribution
	21.11.25-24.11.25	Types of teacher feedback (written comments, oral); peer feedback Place of marks, grades and qualitative descriptions
	25.11.25 to onward	Examination

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed. 5th Sem**

Name of the faculty: Mrs. Deepshikha Jain

Nomenclature of the paper: PEDAGOGY OF PHYSICAL SCIENCE

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**NATURE OF SCIENCE:-** • History, philosphy and nature of science, its role and importance in daily life • Science as interdiciplinary area of learning, development of science and technology, their interdependence and impact on society
	28.07.25-31.07.25	• Development of scientific attitude and values through science education. **CURRICULUM DEVELOPMENT** • Need and salient features of curriculum, strategy and principle of curriculum construction • Trends in science curriculum • Development of science curriculum in india • Basic criteria of validity of a science curriculum in the light of ncf-2005
August	01.08.25-05.08.25	• Curriculum for secondarylevel • Objectives of teaching scienvce at upper primary level and secondary level • Analysis of syllabus and textbooks of science at upper primary and secondary level
	06.08.25-12.08.25	• Class Test Of First Half Of Unit 1 **LESSON PLANNING:-** • Instructional objectives. Identification of teaching points • Organising the contents,designing learning experiences • Pedagogical shift from science as fixed body of knowledge to process of constructing knowledge
	13.08.25-17.08.25	**SCIENTIFIC METHOD:-** • Observation, enquiry,hypothesis, experimentation, • Data collection,generalization
	20.08.25-24.08.25	➢ Class Test Of Second Half Of Unit 1 **UNIT AND LESSON PLANNING:-** • Using constructivist approach, taking examples from specific contents of science such as o Electric circuit,magnetic effects of current o Physical and chemical changes o Animal and plant kingdom **STRATEGIES OF LEARNING:-** • Inquiry Approach ,Experimentation
	27.08.25-31.08.25	• Problem solving ,concept mapping • Collaborating learning,experiential learning in science • Facilitating learners for self study in science
September	02.09.25-07.09.25	➢ Class Test Of First Half Of Unit-2 **LEARNING RESOURCES:-** • Identification and use of learning resources in science from immediate environment such as natural ph indicators,common salts,fruits,lenses ,mirrors

		• Inter-conversion of one form of energy to other • Exploring alternatives sources of energy
	09.09.25-14.09.25	• Audio-Visual Materials,Multimedia Selection And Designing Use Of Ict In Learning Science **INSTRUCTIONAL RESOURCES:-** • Mutimedia,computer,charts,models • Improvised apparatus and their roles and functions
	16.09.25-21.09.25	**STRENGTHENING OF LEARNING SCIENCE:-** • Organisation of practicals in laboratory,use of science kits • Investigatory project,field trips • Science clubs,science fairs, use of worksheets
	24.09.25-30.09.25	**LESSON PLANNING AND LEARNING CONCEPTS OF SCIENCE SUCH AS** • Newton's laws of motion,universal law of gravitation • Heat as energy,temperature,transfer of heat, • Reflection ,refraction and total internal reflection of light • Mole concept and avagadro's number, periodicity of elements
October	01.10.25-10-10.25	Sessional. • Acid, base &salt &ph scale,carbon & its compounds.,nutrition in amoeba and hopper • Digestive and respiratory system in animals • Control and coordination in animals • Reproduction in animals • Photosynthesis,factor affecting the process of photosynthesis • Respiration in plants,transportation in plants
	11.10.25-14.10.25	• Asexual and sexual production,pollination • Fertilization and partheno-genesis in plants • Heredity and variations, structure of chromosome,rna & dna.
	15.10.25-18.10.25	**Exploring Learning of Science** • electric circuits, series and parallel combination of circuits, • electric current, measurement of current and potential difference, • ohm's law, resistance, factors effecting resistance, • electrical energy, elementary ideas about A.C. and D.C. motors • characteristics of metals, metallurgical operations-dressing of the ore, calcinations, roasting, smelting and refining
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	• Concept of electrode potential and electrochemical series, reactivity of metals and non-metals, extraction of metals like iron, copper and aluminum. • Types and structure of cell, brief account of functions of various cell organelles, cell division • Elementary idea of mitosis and meiosis, Structure and function of meristems (apical meristems) • structure and functions of epithelial, connective, muscular and nervous tissues, feeding mechanism, nutrients • balance diet and nutrition deficiency diseases, Communicable and non-communicable diseases
November	01.11.25-07.11.25	**Evaluation in Science** • Modes of evaluation: oral, observation and written, objective and essay type questions, Types of objective test items: short answer type, multiple choice type, fill-in-blank type, true-false, matching type. • construction of test items: achievement test, diagnostic test and their construction

		• Preparation of blue print: taking examples of concepts of science mentioned in unit III and IV, • continuous and comprehensive evaluation for overall development of child.
	08.11.25-14.11.25	**Tools and Techniques of Assessment:** • learning indicators, performance-based assessment • learners' records of observations, field diary oral presentation of learner's work • portfolio, assessment of project work, assessment of learning based on content mentioned in unit III and IV
	15.11.25-20.11.25	➢ CLASS TEST OF FIRST HALF OF UNIT -4 **Modes of Learning Engagement:** **Constructivist Approach:** Activity based learning experimentation, Interactive learning, Group work, demonstration method, Peer learning, Project work, Assignments followed by presentation, Discussion, Inquiry approach, Concept mapping etc.
	21.11.25-24.11.25	➢ Class test of unit -1 ➢ Class test of unit -2 ➢ Class test of unit -3 ➢ Class test of unit -4
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class : B.Sc. B.Ed 5th Semester**

Name of the faculty : Dr.Darshan Lal

Nomenclature of the paper : Phy-301

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit-I:Ideal and real gas Ideal gas:** kinetic model, deduction of boyle's law, interpretation of temperature, estimation of rms speeds of molecules, brownian motion, estimate of the Avogadro number.
	27.07.25-31.07.25	Equipartition of energy, specific heat of monoatomic gas,extension to di- and triatomic gases, behaviour at lowtemperatures, Adiabatic expansion of an ideal gas,applications to atmospheric physics.
August	01.08.25-05.08.25	**Real gas:** Van der Waals' equation of state, nature of Van der Waals'forces, comparison with experimental P-V curves, the critical constants, gas and vapour, Joule expansion of ideal gas and of a Van der Waals'gas, Joule coefficient, Joule-Thomson effect.
	06.08.25-12.08.25	**Unit-II: Liquefaction of gases:** Boyle temperature and inversion temperature,principle of regenerative cooling and of cascade cooling, liquefaction of hydrogen and helium, refrigeration cycles, meaning of efficiency.
	13.08.25-17.08.25	**Transport phenomena in gases:** Molecular collisions, mean free path and collision cross sections, estimates of molecular diameter and mean free path, transport of mass,
	20.08.25-24.08.25	Momentum and energy and interrelationship, dependence on temperature and pressure Momentum and energy and interrelationship, dependence on temperature and pressure
	27.08.25-31.08.25	**Unit-III:Thermodynamics:** The laws of thermodynamics: The zeroth law, various indicator diagrams, work done by and on the system, First law of thermodynamics,
September	02.09.25-07.09.25	Internal energy as a state function, reversible and irreversible changes,Carnot cycle and its efficiency, Carnot theorem.
	09.09.25-14.09.25	The second law of thermodynamics,different versions of the second law, practical cycles used in internal combustion engines,entropy,
	16.09.25-21.09.25	Principle of increase of entropy, the thermodynamic scale of temperature, its identity with the perfect gas scale.
	24.09.25-30.09.25	Impossibility of attaining the absolute zero temperature, third law of thermodynamics.
October	01.10.25-10-10.25	Sessional.

	11.10.25-14.10.25	**Unit-IV: Thermodynamic relationships:**thermodynamic variables- extensive and intensive, Maxwell's general relationships,
	15.10.25-18.10.25	Application to Joule–Thomson expansion and adiabatic cooling in a general system,
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Van der Waals' gas, Clausius-Clapeyron heat equation, thermodynamic potentials and equilibrium of thermodynamical systems,
November	01.11.25-07.11.25	Relation with thermodynamical variables,cooling due to adiabatic demagnetization, production and measurement of very low temperatures.
	08.11.25-14.11.25	**Blackbody radiation:** Pure temperature dependence, Stefan-Boltzmann law, pressure of radiation, spectral distribution of blackbody radiation,
	15.11.25-20.11.25	Wein's displacement law, Rayleigh-Jean's law, Planck's quantum postulates, Planck's law,
	21.11.25-24.11.25	Complete fit with experiment, interpretation of behaviour of specific heats of gases at low temperature.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **CLASS: B.Sc. B.Ed 5th SEM**

TEACHER IN CHARGE: Ms. Saloni **PAPER CODE: 301**

SUBJECT: ZOOLOGY- Developmental biology

Month	Week	Topics
July	22.07.25-26.07.25	**UNIT 1: DEVELOPMENTAL BIOLOGY-**Concepts and scope of developmental biology. Gametogenesis: a) structure and types of spermatozoa, spermatogenesis, b) structure and types of eggs, oogenesis.
	27.07.25-31.07.25	Fertilization: Types, mechanism and significance. Cleavage: types and patterns of cleavage, fate map.
August	01.08.25-05.08.25	Gastrulation: Morphogenetic movements and significance.
	06.08.25-12.08.25	**UNIT 2: METAMORPHOSIS AND EMBRYOGENESIS-** Development up to the of neurulation.
	13.08.25-17.08.25	Metamorphosis of tadpole larva, hormonal control of metamorphosis.
	20.08.25-24.08.25	Development of frog up to formation of advance tadpole.
	27.08.25-31.08.25	Embryogenesis of chick: Development up to neurulation.
September	02.09.25-07.09.25	Tabulation.
	09.09.25-14.09.25	Development of chick according to hours of incubation- 18 hours, 21 hours, 24 hours, 33 hours, 48 hours.
	16.09.25-21.09.25	56 hours, 72 hours and 96 hours.
	24.09.25-30.09.25	Extra embryonic membrane of chick- development and function.
October	01.10.25-10-10.25	**Sessional**
	11.10.25-14.10.25	**UNIT 3: PARTHENOGENESIS**-Placenta and placentation in mammals.
	15.10.25-18.10.25	Parthenogenesis: natural and artificial. Regeneration mechanism in animals, steps of limbs regeneration in amphibians.
	19.10.25-26.10.25	**Diwali Vacation**
	27.10.25-31.10.25	Stem cells and their significance**.**
November	01.11.25-07.11.25	**UNIT 4: TERATOGENESIS**-Elementary idea of the following developmental process: A) Embryonic induction.
	08.11.25-14.11.25	b) Organizer concept c) Differentiation
	15.11.25-20.11.25	Teratogenesis: Genetic and environmental teratogenesis. Ageing and Senescence
	25.11.25-30.11.25	**Examination**
December	01.12.25-20.12.25	**Examination**

LESSON PLAN

Session: 2025-2026 **Class: B.Sc B.Ed VII SEM**

Name Of The Faculty: Ms. SHASHI **Paper Code: Discipline Specific Elective (DSE) BOT 401**

Paper Name: Plant Anatomy And Ecology

MONTH	WEEK	TOPICS
JULY	22.07.25-26.07.25	• **Unit 1: Tissue and Tissue system : Root and Shoot Organisation-** • Type of tissue and tissue system, basic body plan of a flowering plant
	28.07.25- 31.07.25	• Type of tissue and tissue system, basic body plan of a flowering plant • The Root system- The root apical meristem and its organisation, differentiation of primary and secondary tissues and their roles,
AUGUST	01.08.25-02.08.25	• Structural modifications for storage, respiration, reproduction and for interaction with microbes • The Shoot system- The shoot apical meristem and its histological organisation,
	04.08.25- 09.08.25	• vascularisation of primary shoot in monocotyledons and dicotyledons, formation of internodes, branching pattern • Monopodial and Sympodial growth, canopy architecture and Revision
	11.08.25-16.08.25	• **Unit II- Organization of Xylem and Phloem tissues**:- Cambium and its function, formation of secondary xylem, a general account of wood structure in relation to conduction of water and minerals,
	18.08.25-23.08.25	• characterisation of growth rings , sapwood and heartwood • Secondary phloem- structure, function relationship,
	25.08.25-30.08.25	• Arrangement and diversity in size and shape, internal structure in relation to photosynthesis and water loss,
SEPTEMBER	01.09.25-06.09.25	• Adaptation to water stress, stomatal types and trichomes, senescence and abscission
	08.09.25-13.09.25	• Periderm, Leaf origin, development
	15.09.25-20.09.25	• **Unit III- Ecology and Environment**:

		• Ecological Factors: Brief account of edaphic , climate, physiological and biotic factors and ecological importance,
	22.09.25-27.09.25	• Ecosystem: structure, abiotic and biotic components, bio-energetic approach
	29.09-25-30.09.25	• Food chain, Food web, ecological pyramids, biogeochemical cycles of carbon ,nitrogen and phosphorus,
OCTOBER	01.10.25-04.10.25	• Community ecology: Community characteristics, frequency, density, cover, life forms
	06.10.25-11.10.25	• . Plant succession: General features, events in succession, brief account of xerarch succession
	13.10.25- 18.10.25	• **Unit IV- Ecological Adaptations:** Morphological, anatomical and physiological adaptations of plants to environment- hydrophytes,
	20.10.25-26.10.25	• . **Diwali vacations**
	27.10.25-31.10.25	• Halophytes, Xerophytes
NOVEMBER	01.11.25-08.11.25	• Biodiversity: General account, types and characteristics, biodiversity conservation efforts
	10.11.25- 15.11.25	• WCU, Red data book, brief account of IPR and patent laws • Revision
	17.11.25-22.11.25	• Revision

LESSON PLAN

Session: 2025-2026 **Class : B.Sc B.Ed 7TH SEM**

Name of the faculty: Ms Ramandeep Kaur **Paper code: CHM 401: CHEMISTRY: ADVANCE CHEMISTRY**

Nomenclature of the paper: Chemistry-I

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit I: Spectroscopy-I (Theoretical Principle)** Introduction: electromagnetic radiation, regions of the spectrum, basic features of different spectrometers, statement of the Born-Oppenheimer approximation, degrees of freedom.
	29.07.25-31.07.25	**Rotational Spectrum:** Diatomic molecules, Energy levels of a rigid rotor (semi-classical principles), selection rules, spectral intensity, distribution using population.
August	01.08.25-04.08.25	• Distribution (Maxwell-Boltzmann distribution) determination of bond length, qualitative description of non-rigid rotor, isotope effect.
	05.08.25-11.08.25	• **Vibrational Spectrum:** Infrared spectrum: energy levels of simple harmonic oscillator, selection rules, pure vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant and bond energies.
	12.08.25-18.08.25	• Effect of anharmonic motion and isotope on the spectrum, idea of vibrational frequencies of different functional groups.
	19.08.25-24.08.25	**Chromatographic Techniques:** classification, theory of chromatographic separation, distribution coefficient, retention, sorption, efficiency and resolution - Column, ion exchange, paper, TLC & HPTLC: techniques and application.
	26.08.25-30.09.25	**Unit II: Separation Techniques** Solvent Extraction: distribution Coefficient, distribution ratio, solvent extraction of metals, multiple batch extraction, counters current distribution.
September	02.09.25-07.09.25	Frank-Condon principles.Qualitative description of σ, π- and n M.O., their energy levels and the respective transitions.
	09.09.25-14.09.25	**Unit III: Electronic Spectrum** **Electronic Spectrum:** Concept of potential energy curves for bonding and antibonding molecular orbitals, qualitative description of selection rules.
	16.09.25-21.09.25	**Unit IV: Photochemistry :** Interaction of radiation with matter, difference between thermal and photochemical processes.

	23.09.25-28.09.25	Laws of photochemistry: Grothus-Draper law, Stark-Einstein law, Jablonski diagram depicting various processes occurring in the excited state.
October	30.09.25-05-10.25	Qualitative description of fluorescence, phosphorescence, non-radiative processes (internal conversion, intersystem crossing).
	01.10.25-12.10.25	Sessional
	13.10.24-18.10.24	• Quantum yield, photosensitized reactions – energy transfer processes (simple examples
	19.10.25-26.10.25	Diwali vacations
	27.10.25-03.11.25	**Raman Spectrum**: Concept of polarisability, pure rotational and pure vibrationl Raman spectra of diatomic molecules, selection rules,σ,π- and n M.O., their energy levels and the respective transitions.
November	04.11.25-09.11.25	Class test
		ASSIGNMENTS
	11.11.25-21.11.25	REVISION
	24.11.25 onwards	EXAMINATION

LESSON PLAN

Session: 2025-2026 **Class : B.Sc. B.Ed 7th Semester**

Name of the faculty : Dr.Darshan Lal

Nomenclature of the paper : Phy-401

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit I:** Origin of the quantum theory- Failure of classical physics to explain the phenomena such as black-body spectrum, photoelectric effect,
	27.07.25-31.07.25	Ritz combination principle in spectra, stability of an atom, Planck's radiation law,
August	01.08.25-05.08.25	Einstein's explanation of photoelectric effect, Bohr's quantization of angular momentum and its application to hydrogen atom, limitations of Bohr's theory.
	06.08.25-12.08.25	**Unit II:** Wave-particle duality and uncertainty principle, de Broglie's hypothesis for matter waves, the concept of wave and group velocities, evidence for diffraction and interference of 'particles', experimental demonstration of matter waves.
	13.08.25-17.08.25	Consequence of de Broglie's concepts, quantisation in hydrogen atom, energies of a particle in a box, wave packets,
	20.08.25-24.08.25	Heisenberg's uncertainty relation for p and x, its extension to energy and time.Consequence of the uncertainty relation: gamma ray microscope, diffraction at a slit, particle in a box, position of electron in a Bohr orbit.
	27.08.25-31.08.25	**Quantum Mechanics:** Schrodinger's equation, Postulates of quantum mechanics, operators, expectation values, transition probabilities.
September	02.09.25-07.09.25	**Unit-III:** Applications of quantum mechanics to particle in one dimensional and three dimensional box, harmonic oscillator, reflection at a step potential, transmission across a potential barrier.
	09.09.25-14.09.25	Hydrogen atom: natural occurrence of n, l and m quantum numbers, the related physical quantities, comparison with Bohr's theory, Wave functions, Probabilistic interpretation.
	16.09.25-21.09.25	**Unit-IV:Statistical Physics:** The statistical basis of thermodynamics: Probability and thermodynamic probability, principle of equal a-priori probabilities,
	24.09.25-30.09.25	probability distribution and its narrowing with increase in number of particles, The expressions for average properties, Constraints, accessible and inaccessible states, distribution of particles with a given total energy into a discrete set of energy states.
October	01.10.25-10.10.25	Sessional.
	11.10.25-14.10.25	**Some universal laws:**

		The mu space representation, division of mu space into energy sheets and into phase cells of arbitrary size, application to one-dimensional harmonic oscillator and free particles,
	15.10.25-18.10.25	Equilibrium between two systems in thermal contact, bridge with macroscopic physics,Probability and entropy,
	19.10.25-26.10.25	Diwali Vacations.
	27.10.25-31.10.25	Boltzmann entropy relation, Statistical interpretation of second law of thermodynamics, Boltzmann canonical distribution law and its applications,
November	01.11.25-11.11.25	Rigorous form of equipartition of energy, Partition function and its applications, Saha's ionization formula. Maxwell distribution of speeds in an ideal gas, Distribution of speeds and velocities, experimental verification, distinction between mean, rms and most probable speed values, Doppler broadening of spectral lines.
	12.11.25-24.11.25	Transition to quantum statistics: 'h' as a natural constant and its implications, cases of particle in a one dimensional box and one-dimensional harmonic oscillator,Indistinguishability of particles and its consequences, Bose-Einstein and Fermi-Dirac conditions, applications to liquid helium, free electrons in a metal and photons in blackbody chamber, Fermi level and Fermi energy.
	25.11.25-30.11.25	Examinations.
December	01.12.25-20.12.25	Examinations.

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed. 7th SEM**

Teacher In Charge: Ms. Saloni **Paper Code: 301**

Subject: Zoology- Evolution And Palaeontology

Month	Week	Topics
July	22.07.25-26.07.25	**UNIT 1- ORIGIN OF LIFE AND ITS THEORIES**- a) origin of life- Evidences in favour of evolution: morphology, comparative anatomy, embryology and palaeontology. b) Molecular basis of evolution
	27.07.25-31.07.25	Theories of evolution: a) Lamarckism, inheritance of acquired characters and Neo Lamarckism. B) Darwinism, theory of natural selection and Neo Darwinism. C) Mutation theory of Hugo de Vries d) Weisman theory of germplasm e) Recapitulation theory
August	01.08.25-05.08.25	**UNIT 2- EVOLUTION**- A) Variation: kinds, sources, origin of new mutations.
	06.08.25-12.08.25	Isolation: Definition, mechanism and role of isolation in evolution.
	13.08.25-17.08.25	Adaptation: Introduction, kinds of associations.
	20.08.25-24.08.25	Divergent, convergent evolution.
	27.08.25-31.08.25	Evolutionary significance of adaptation.
September	02.09.25-07.09.25	**UNIT 3- EVOLUTION CHANGES**- Origin of species- concept of species.
	09.09.25-14.09.25	Subspecies, sibling species.
	16.09.25-21.09.25	Factors causing genetic divergence in the population of species.
	24.09.25-30.09.25	Genetic drift, bottle neck effect. Founder's effect.
October	01.10.25-10.10.25	**Sessional**
	11.10.25-14.10.25	Mimicry and protective coloration- Definition and kinds.
	15.10.25-18.10.25	Conditions necessary for mimicry and significance.
	19.10.25-26.10.25	**Diwali Vacation**
	27.10.25-31.10.25	Zoogeographical distribution of animals, geological time scale, origin and evolution of amphibians.
November	01.11.25-11.11.25	UNIT 4- Introduction, formation, kinds, determination of age of fossils and its significance.
	12.11.25-24.11.25	Dinosaur, fossils evidence and reasons for extinction of dinosaurs Evolution of man: Time of origin, compelling causes, ancestor of man. Evolution from apes and evolutionary trends.
	25.11.25-30.11.25	**Examination**
December	01.12.25-20.12.25	**Examinations.**

LESSON PLAN

Session: 2025-2026 **Class: B.A/B.SC. B.Ed. 1st SEM**

Name of the faculty :Dr. Gurmeet Kaur **Name of the paper: AEC HINDI**

Month	**Week**	**Topic To Be Delivered**
July	22.07.25-26.07.25	Hindi sahitya ka kaal vibhajan aur naamkaran
	28.07.25-31.07.25	Aadikaal ka Naamkaran aur Seema Nirdharan , Aadikaal ki paristhitiyan,Pravritiyan
August	01.08.25-05.08.25	Bhaktikaalin sahitya ka parichay paristhitiyan or Pravritiyan
	06.08.25-12.08.25	Santkavyadhara kavyadhara ka parichay
	13.08.25-17.08.25	Suphykavyadhara kavyadhara ka parichay
	20.08.25-24.08.25	Raamkavyadhara aur krishan kavyadhara ka parichy
	27.08.25-31.08.25	Krishan kavyadhara ka paricay
September	02.09.25-07.09.25	Swatantratapurva Hindi Kahani Ka Vikas
	09.09.25-14.09.25	Chanderdhar Sharma Guleri –Usne kha tha
	16.09.25-21.09.25	Jayshankar Prasad- Puraskar
	24.09.25-30.09.25	Premchand- Panch Parmeshwar, Jainendra- Ek Raat
October	01.10.25-10.10.25	**Sessional Exam**
	11.10.25-18.10.25	Swatantrayottar Hindi Kahani Ka Vikas ,Mohan Rakesh- Uski Roti
	19.10.25-26.10.25	**Diwali Holidays**
	27.10.25-31.10.25	Kamleshwar- Dilli Mein ek Maut Phanishwar Nath Renu- Teesari Kasam
November	01.11.25-07.11.25	Chif ki Dawat -Bhisham Sahni **,**Group Discussion [Samooh Charcha]
	08.11.25-14.11.25	Group Discussion [Samooh Charcha]
	15.11.25-20.11.25	Introduction – Definition – Characteristics – Types of Discussion
	21.11.25-24.11.25	Round table, Symposium forum etc. – Relevance of Group Discussion – Exercises
	25.11.23-30.11.25	**Examination**
December		**Examination**

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed. Sem. 5**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: CPSPM 301**

Nomenclature of the Paper: Pedagogy of Mathematics I

Month	Week	Topics
July	22.07.25-26.07.25	**Unit-1** • Human Needs as a Basis of Growth in Mathematics, Mathematical Statements are Unambiguous, Truth Criteria, Use of Symbols
	27.07.25- 31.07.25	• The Role of Intuition and Logic in Mathematical Thinking • Axiomatic Framework of Mathematics: Axioms, Postulates, Undefined Terms, Defined Terms
August	01.08.25-05.08.25	• Reasoning, Type of Reasoning, Proofs - Types of Proofs • Language of Mathematics
	06.08.25-12.08.25	• Cultivating Learner's Sensitivity Like Listening, Encouraging Learner for Probing • Raising Queries, Appreciating Dialogue Among Peer Group, Promoting the Student's Confidence Mathematical Thinking
	13.08.25-17.08.25	**Unit-2** • Exploring Ways of Learning Engagements
	20.08.25-24.08.25	• Providing Opportunities for Group Activities, Group/Individual Presentation, Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics
	27.08.25-31.08.25	• Visit to District, State and National Level Science Exhibition/ Field Visit, Audio Visual Presentation Followed by its Analysis and Discussion, Reflective Written Assignments, Case Studies
September	02.09.25-07.09.25	**Unit 3:** • Need for and Importance of Mathematics in School Curriculum
	09.09.25-14.09.25	• Social Aspects • Mathematical Aspects
	16.09.25-21.09.25	• Applications of Mathematics, Aims, Objectives and Scope of Mathematics at the Secondary Stage, Writing of Objectives for Each Stage (Primary, Secondary and Sr. Secondary), Writing Objectives in Behavioural Terms for Each Stage
	24.09.25-30.09.25	• Piaget 's Operational Thinking, Emphasis on the Use of Mathematics in Daily Life Situations
October	01.10.25-10-10.25	Sessional

	11.10.25-14.10.25	• Role of Mathematics in Other Subject Areas – Interdisciplinary Approaches
	15.10.25-18.10.25	• Developing Skills in Learners - Problem Solving, Logical Thinking, Drawing Inferences, Handling Abstraction, Visualising Etc. in Learner's Personality
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• History of Development of Mathematics and Contributions of Indian Mathematicians, Designing And Setting up Models
November	01.11.25-07.11.25	• Teaching Aids and Activities/ Laboratory Work -Using Open Source Software in Mathematics Lesson (Expressive Way- To Create their Own from Scratch, as they Express Themselves with Contentment by Means of a More Open Application or Resource)
	08.11.25-14.11.25	**Unit 4:** • Identifying Activity in Several Content Areas at Secondary Level Conducive to the Comprehension Level of Learner, Inculcating Skills in Designing, Demonstrating, Interpreting and Drawing Inference of Digital Applets/Concrete Models
	15.11.25-20.11.25	• Providing Opportunities for Group Activities, Hands on Experimentation within Digital Environment, Group/ Individual Presentation.
	21.11.25-24.11.25	• Providing Opportunity for Sharing Ideas, Exposing to Exemplar Constructivist Learning Situations in Mathematics. • Designing And Setting up Models, Teaching Aids and Activities/ Laboratory Work, Visit to District, State and National Level Science Exhibition
		• Digital Presentation Followed by Its Analysis and Discussion, Reflective Written Assignments, Case Studies, Audio Visual Presentation Followed by its Analysis and Discussion
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

LESSON PLAN

Session: 2025-2026 **Class: B.Sc. B.Ed. Sem. 5**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: MTH: 301**

Nomenclature of the Paper: MATHEMATICS: REAL ANALYSIS

Month	Week	Topics
July	22.07.25-26.07.25	**Unit-1** **REAL NUMBER SYSTEM** • COMPLETENESS AXIOM
	27.07.25- 31.07.25	• DENSITIES OF RATIONAL/IRRATIONAL
August	01.08.25-05.08.25	• PROPERTIES OF REAL NUMBERS
	06.08.25-12.08.25	• LEAST UPPER BOUND AXIOM OF A FUNCTION
	13.08.25-17.08.25	**Unit-2** **SEQUENCE & SERIES** • REAL SEQUENCE, DEFINITION
	20.08.25-24.08.25	• THEOREM ON LIMITS OF SEQUENCES • BOUNDED AND MONOTONIC SEQUENCES
	27.08.25-31.08.25	• SEQUENTIAL CONTINUITY • CAUCHY'S CONVERGENCE CRITERION
September	02.09.25-07.09.25	• INFINITE SERIES OF NON-NEGATIVE TERMS • COMPARISON TESTS
	09.09.25-14.09.25	• COMPARISON TESTS • RATIO TEST • RAABE'S TEST
	16.09.25-21.09.25	• LOGARITHMIC TEST • DEMORGAN AND BERTRAND'S TESTS
	24.09.25-30.09.25	• CAUCHY'S INTEGRAL TEST • ALTERNATING TESTS
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	• ABSOLUTE AND CONDITIONAL CONVERGENCE
	15.10.25-18.10.25	• UNIFORM CONVERGENCE OF SERIES OF FUNCTION
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• BASIC PROPERTIES OF LIMITS • CONTIONUOUS FUNCTIONS
November	01.11.25-07.11.25	**CONTINUOUS FUNCTIONS:** • CLASSIFICATION OF DISCONTINUITIES • PROPERTIES OF CONTINUOUS FUNCTIONS
	08.11.25-14.11.25	• BOUNDEDNESS OF A CONTINOUS FUNCTION

		ON [a,b] • UNIFORM CONTINUITY
	15.11.25-20.11.25	• DIFFERENTIABILITY, CHAIN RULE, MEAN VALUE THEOREMS AND THEIR GEOMETRICAL INTERPRETATIONS • DARBOUX'S INTERMEDIATE VALUE THEOREM FOR DERIVATIVES
	21.11.25-24.11.25	• TAYLOR'S THEOREM WITH VARIOUS FORMS OF REMAINDER **INTEGRAL CALCULUS:** • RIEMANN INTEGRAL
		• INTEGRABILITY OF CONTINUOUS AND MONOTONIC FUNCTIONS • THE FUNDAMENTAL THEOREM OF INTEGRAL CALCULUS • MEAN VALUE THEOREMS OF INTEGRAL CALCULUS
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

LESSON PLAN

Session: 2025 2026 **Class: B.Sc. B.Ed. Sem. 7**

Name of the Faculty: Mrs. Mitu Nagpal **Paper Code: MTH 401**

Nomenclature of the Paper: Number Theory and Theory of Equations

Month	Week	Topics
July	22.07.25-26.07.25	**Unit 1:** • Division Algorithm, Prime and Composite Numbers
	27.07.25- 31.07.25	• Proving The Existence and Uniqueness of GCD
August	01.08.25-05.08.25	• The Euclidean Algorithm
	06.08.25-12.08.25	• Fundamental Theorem of Arithmetic
	13.08.25-17.08.25	• The Least Common Multiple
	20.08.25-24.08.25	• Congruences
	27.08.25-31.08.25	• Linear Congruences
September	02.09.25-07.09.25	• **Unit 2:** • Sigma Function
	09.09.25-14.09.25	• Tau Function, Phi Function
	16.09.25-21.09.25	• Wilson's Theorem, Simultaneous Congruences
	24.09.25-30.09.25	• Theorem of Euler- Fermat and Lagrange
October	01.10.25-10-10.25	Sessional
	11.10.25-14.10.25	**Unit 3:** • Continued Fractions, Relation Between Roots and Coefficients
	15.10.25-18.10.25	• Symmetric Functions
	19.10.25-26.10.25	Diwali Vacations
	27.10.25-31.10.25	• Transformations
November	01.11.25-07.11.25	• Reciprocal Equations, Descartes Rule of Signs
	08.11.25-14.11.25	**Unit 4:** • Solving Cubic Equation by Cardon's Method
	15.11.25-20.11.25	• Solving Quartic Equations by Descartes Method
	21.11.25-24.11.25	• Solving Quartic Equations By Ferrari's Method
		• Revision
	25.11.25-30.11.25	Examination
December	01.12.25-20.12.25	Examination

LESSON PLAN

Session: 2025-2026 **Class- B.Sc. B.Ed. 3rd Sem**

Teachers Incharge: - Ms. Sheetal Verma

Subject-Schooling, Socialization and Identity

Month	**Week**	**Topic**
July	Unit-1 22.07.2025-26.07.2025	understanding the nature and process of socialization.
	20.07.2025-31.07.2025	At home family as a social, institution; impact of parenting style / child rearing practices; transmission of parental expectations and values.
August	01.08.2025-06.08.2025	In the community neighbourhood, extend family, religious group and their socialisation functions.
	08.08.2025-18.08.2025	At school: impact of entry to school ; school as a social institution; value formation in the context of schooling.
	2nd Unit 19.08.2025.24.08.2025	understanding identity formation; emergence of multiple identities in the formation of a person placed in various social and institutional contexts; the need for inner coherence; managing conflicting identities.
	26.08.2025-30.08.2025	Determinants of identity formation in individuals and groups, such as caste, class, gender and religion. The influence of peer group, media message, technology and globalization on identity formation in contemporary Indian society.
September	02.09.2025-	Schooling as a process of identity formation; ascribed, acquired and evolving. Potential role of school in developing national, secular and humanistic identities.
	Unit-3 16.09.2025-21.09.2025	Expending human activities and relations ; decreasing unhealthy competition, uncertainty and insecurities and the resultant identity conflicts.
	23.09.2025-28.09.2025	Indian concept of "vasudhaiva Kutumbakam "and"Sarvadharm Sambhava" Evolving a holistic identity of a teacher.
	29.09.2025-30.09.2025	Eveloving a identity as a teacher, which is progressive and open to re-construction. Teachers' professional identity and teacher's professional ethics.

October	01.10.2025-15.10.2025	Sessional Exam
	19-10.2025-26.10.2025	Diwali Vacations
	27.10.2025-31.10.2025	Introductory lectures cum discussion to introduced key themes of the course - socialisation, identity formation, sociological notions and experiential sense of self etc.
November	03-11-2025-08-11-2025	Observation of schools and classrooms through the lens of course themes ; interviews with teachers; making field notes.
	10-11-2025-15-11-2025	Group discussion and exploration, around selected readings and key questions. Viewing selected documentaries and film clippings.
	17-11-2025-20-11-2025	Assingment work
	21-11-2025-07-23-2025	Test and revision

LESSON PLAN

Session: 2025-2026 **Class : B.Sc B.Ed 1ST SEM**

Name of the faculty: Ms Ramandeep Kaur **Paper code: Core Course2(I): CHEMISTRY:**

Nomenclature of the paper: Chemistry-I **INORGANIC CHEMISTRY**

Month	Week	Topics to be covered
July	22.07.25-26.07.25	**Unit I: Electrochemistry :**Electrical transport-conduction in metals and in electrolyte solutions, specific conductance and equivalent conductance, measurement of equivalent conductance, variation of equivalent and specific conductance with dilution. Migration of ions and Kohlrausch law, Arrhenius theory of electrolyte dissociation and its limitations, weak and strong electrolytes, Ostwald's dilution law its uses and limitations.
	29.07.25-31.07.25	Debye-Huckel-Onsager's equation for strong electrolytes (elementary treatment only). Transport number, definition and determination by Hittorf method and moving boundary method. Applications of conductivity measurements; determination of degree of dissociation, determination of K_a of acids, determination of solubility product of a sparingly soluble salt, conductometric titrations.
August	01.08.25-03.08.25	Types of reversible electrodes-gas-metal ion, metal-insoluble salt anion and redox electrodes. Electrode reactions, Nernst equation, derivation of cell E.M.F. and single electrode potential, standard hydrogen electrode-reference electrodes-standard electrode potential, sign conventions, electrochemical series and its significance. Electrolytic and Galvanic cells-reversible and irreversible cells, conventional representation of electrochemical cells.
	05.08.25-10.08.25	• EMF of a cell and its measurements. Computation of cell EMF. Calculation of thermodynamic quantities of cell reactions (ΔG, ΔH, and K), polarization, over potential and hydrogen overvoltage. Concentration cell with and without, liquid junction potential, application of concentration cells, valency of ions, solubility product and activity coefficient, potentiometric titrations. Definition of pH and pK_a determination of pH using hydrogen, quinhydrone and glass electrodes, by potentiometric methods. Buffers-mechanism of buffer action, Handerson-hazel equation. Hydrolysis of salts. Corrosion-types, theories and methods of combating it.

	12.08.25-17.08.25	**Unit II: Chemical Equilibrium** • **Chemical Equilibrium:** Equilibrium constant and free energy. Thermodynamic derivation of law of mass action. Le Chatelier's principle. Reaction isotherm and reaction isochore – Clapeyron equation and Clausius – Clapeyron equation, applications.
	19.08.25-24.08.25	**Phase Equilibrium:** statement and meaning of the terms – phase, component and degree of freedom, derivation of Gibbs phase rule, phase equilibria of one component system-water, CO_2 and S systems .Phase equilibria of two component system – solid – liquid equilibria, simple eutectic-Bi-Cd, Pb-Ag systems, desilverisation of lead. Solid solutions – compound formation with congruent melting point (Mg-Zn) and incongruent melting point.
	26.08.25-31.09.25	• ($NaCl-H_2O$), ($FeCl_3-H_2O$) system. Freezing mixtures, acetone-dry ice. Liquid-liquid mixtures- Ideal liquid mixtures, Raoult's and Henry's law. Non-ideal system-azeotropes- $HCl-H_2O$ and ethanol – water systems. Partially miscible liquids – Phenol-water, trimethylamine-water, nicotine-water systems. Lower and upper consolute temperature. Effect of impurity on consolute temperature. Immiscible liquids, steam distillation. Nernst distribution law-thermodynamic derivation, applications.
September	02.09.25-07.09.25	**Unit III: Chemical Kinetics** • Chemical kinetics and its scope, rate of a reaction, factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light catalyst, concentration dependence of rates, mathematical characteristics of simple chemical reactions – zero order, first order, second order, pseudo order, half-life and mean life.
	09.09.25-14.09.25	• Determination of the order of reaction – differential method, method of integration, method of half-life period and isolation method.
	16.09.25-21.09.25	Experimental methods of chemical kinetics: conductometric, potentiometric, optical methods, polarimetry and spectrophotometer. Theories of chemical kinetics: effect of temperature on rate of reaction, Arrhenius equation, concept of activation energy.
	23.09.25-28.09.25	**Unit IV: Elementary Quantum Mechanics** De Broglie hypothesis, the Heisenberg's uncertainty principle, physical interpretation of the wave function, postulates of quantum mechanics, particle in a one dimensional box.

October	30.09.25-05-10.25	Schrodinger wave equation for H-atom, separation into three equations (without derivation), quantum numbers and their importance.
	01.10.25-12.10.25	Sessional
	13.10.24-18.10.24	• Hydrogen like wave functions, radial wave functions, angular wave functions.
	19.10.25-26.10.25	Diwali vacations
	27.10.25-03.11.25	Sinusoidal wave equation, Hamiltonian operator, Schrodinger wave equation and its importance.
November	04.11.25-09.11.25	Class test
		ASSIGNMENTS
	11.11.25-21.11.25	REVISION
	24.11.25 onwards	EXAMINATION

LESSON PLAN

Session: 2025-2026 **Class : B.Sc B.Ed 3rd SEM**

Name of the faculty: Dr. Neena Goyal **Paper code: CHM 201: ORGANIC CHEMISTRY**

Nomenclature of the paper: ORGANIC CHEMISTRY

Month	Week	Topics to be covered
July	28.07.25-31.07.25	**Unit I: General aspects of Organic reactions :**Introduction :definition, characterstics of carbonConcept of Hybridization.
August	01.08.25-02.08.25	Inductive Effect: Definition, types with examples, applications: Dipole-moment , Acidic strengths , Basic strengths and stabilities of intermediates.
	05.08.25-10.08.25	Electromeric effect and its types. Resonance: definition and explanation by taking examples, rules for writing resonance structures, resonance energy, resonance effect , +R and -R Effect with examples. Applications of resonance effect: Acidic nature of carboxylic acids and phenols, comparison of basicities of aliphatic and aromatic amines.
	12.08.25-17.08.25	• Comparison of reactivites of aryl halides, vinyl halide, allyl halide, benzyl halide with alkyl halides, comparison of dipole moments of vinyl halide and alkyl halide. • **Hyperconjugation**:- Baker- Nathen Effect its explanation in terms of its molecular orbital diagram and resonance. Conditions required for hyperconjugation in a molecule. Stabilities of alkenes on the basis of hyperconjugation. • **Reaction mechanism in organic chemistry:** definition, arrow notations, types of bond cleavage : Homolytic and Heterolytic, types of reagents electrophile and nucleophile their types with examples
	19.08.25-24.08.25	**Types of organic reactions**: Substitution, addition, elimination, rearrangement, condensation and pericyclic taking suitable examples. Energy consideration during chemical reaction, collision theory and activated complex theory. **Reaction Intermediates** : carbocations ,definition, its generation, geometry, types and stabilities of various carbocations on the basis of I- Effect, resonance and hyperconjugation.
	26.08.25-31.09.25	• Carbanions, free radicals, carbenes , Nitrenes and benzyne; definition, generation, types and stabilities. Chapter 1: Stereochemistry Isomerism, structural isomerism: chain, position, functional,tautomerism, ring-chain isomerism.
September	02.09.25-07.09.25	• Stereoisomerism: definition, types, confirmational and configurational isomerism taking suitable examples. • Optical Isomerism: definition, Plane polarized light, specific angle of rotation, polarimeter, chiral and achiral molecules, symmetry elements, concept of chirality, Flying wedge model for 3D configuration. Fischer-Projection formula

	09.09.25-14.09.25	• Enantiomers, their characteristics, Criteria for optical activity, What is racemic modification and external compensation. Diastereomers, Erythro and threo diastereomers, meso compounds, internal compensation and Resolution of a racemic mixture.Retention and Inversion in configuration. What is absolute and relative configuration. R and S system of nomenclature to assign configuration to optical isomers.
	16.09.25-21.09.25	• Geometrical Isomerism: essential condition in a molecule to show this phenomenon, definition, examples , Cis and Trans nomenclature, how to distinguish between cis and trans isomers, E/Z system of nomenclature; its benefits over cis/trans system. • Confirmational isomerism: definition, confirmations of ethane and n-butane and compare their stabilities. Confirmations of cyclohexane : chair, boat and twist boat . structures and their stabilities.
	23.09.25-28.09.25	UNIT 11: Cycloalkanes: IUPAC nomenclature, Synthesis of cyclopropane, cyclobutene and cyclohexene by (2+2 and 4+2) Cycloaddition reactions . Simmon -smith reaction, Freund's method, pyrolysis of calcium and barium salts of 1,6 1nd 1,7 dicarboxylic acids, Blanc's rule.Physical and chemical properties. Baeyer's strain theory, sachs mohr model of strainless rings, Banana bond in cyclopropane.
October	30.09.25-05-10.25	Cycloalkenes: Nomenclature, synthesis by α, β dehydrohalogenation and dehydration, Saytzeff rule.Electrophilic addition reactions : Addition of Br_2, H-Br, HO-Cl, H_2O/H^+, hydroboration-oxidation. Oxymercuration-demercuration, Ozonolysis, cis-hydroxylation. Perbenzoic acid, allylic halogenation.carbene and carbenoid.
	01.10.25-12.10.25	Sessional
	13.10.25-18.10.25	• Dienes: Classification, structure of cumulated dienes, stabilites of conjugated dienes, 1,2 and 1,4 addition reactions of conjugated dienes. Effect of temperature on 1,2 and 1,4 addition products. • Arenes; definition, nomenclature Aromaticity and Huckle rule.
	19.10.25-26.10.25	Diwali vacations
	27.10.25-03.11.25	• Electrophilic substitution reactions of benzene: Halogenation, nitration, sulphonation, Friedel-craft alkylation and acylation. Activated and deactivated groups, Why NO_2, CHO etc, are deactivating and m-directing whereas some groups are ortho and para directing. Discuss the anomalous behavior of halogens.
November	04.11.25-09.11.25	Alkyl halides : Synthesis , properties, SN^1 and SN^2 mechanisms. Aryl halides: Synthesis and low reactivity of aryl halides. SN^2 and elimination- addition reaction mechanism
		ASSIGNMENTS
	11.11.25-21.11.25	REVISION
	24.11.25 onwards	EXAMINATION