

CLASS- XI (CHEMISTRY [043])
MONTHLY SYLLABUS PLANNER (2025-26)

MONTH	TOPIC	ACTIVITIES /PROJECT WORK/PRACTICALS
APRIL	CHAPTER -1[.SOME BASIC CONCEPTS OF CHEMISTRY]	
	key concepts: Matter and its classification, law of chemical combination, atomic and molecular masses, mole concept, Mass percentage, chemical reactions and their equations and stoichiometric calculations.	1. To prepare Crystals of mohl's salt and blue vitrol . 2). Calculation of mass percentage of different elements in a compound
MAY	CHAPTER -2. [STRUCTURE OF ATOM]	
	KEY CONCEPTS: Discovery of subatomic particles and atomic models, black body radiation, photoelectric effect and bohr's model ,heigenberg's principal ,atomic orbital , quantum number, and electronic configuration of elements	1.To make different atomic models and draw periodic table on chart. 2. Study of the method of purification of water
	FIRST PERIODIC TEST	
JUNE	SUMMER BREAK	
JULY	CHAPTER -3[classification of elements and periodicity in properties]	1. Formation of standard solution of oxalic acid and sodium carbonate
	KEY CONCEPTS: Periodic table, relationship b/w electronic configuration and periodic table, periodic trends in properties of elements	2.VOLUMETRIC TITRATION: HCL VS NaOH AND NaoH VS Oxalic acid
	2nd periodic test	
	CHAPTER-4. [CHEMICAL BONDING AND MOLECULAR STRUCTURE]	1.Study of different sample of leaves
	KEY CONCEPT; Concept of bonds, resonance, VESPER Theory, VBT and hybridisation, MOT and H-bonding	2. Draw structure of different molecule, determination of hybridisation of different molecule and their geometry and shape.
AUGUST	CHAPTER -5 [THERMODYNAMICS]	
	KEY CONCEPTS: First law of thermodynamics, enthalpy and entropy, gibb's free energy spontaneity of rxn, different type of enthalpies in a chemical reaction.	1).Demonstration on salt analysis for detection of Mn^{2+} , Zn^{2+} , CO_3^{2-} , Ni^{2+} ions etc 2). Make summary chart on thermodynamic chapter.

SEPTEMBER	CHAPTER-5. [Thermodynamics]	
	REVISION FOR HALF H.Y EXAM & HALF YEARLY EXAM	SYLLABUS : [CHAPTER- 1 TO CHAPTER-5]
SEPTEMBER	REVISION FOR HALF HEARLY EXAM	

OCTOBER	CHAPTER -6 [EQUALLIBRIUM]	
	KEY CONCEPTS: Physical and ionic equilibrium, ionic equilibrium, acid base and their ionisation, salt hydrolysis, solubility product and ionic product, buffer solution.	1)Detection of functional groups in given organic salts .2. make formula chart on chapter equilibrium
	CHAPTER-7[REDOX REACTIONS]	
	KEY CONCEPTS; Types of redox reaction, oxidation number, balancing and application of redox reactions	
NOVEMBER	CHAPTER- 8 [SOME BASIC PRINCIPAL AND TECHNIQUES OF ORGANIC CHEMISTRY]	1)Demonstration on salt analysis for detection of cation and anion present in given salt.
	KEY CONCEPTS: Classification ,Nomenclature, isomerism organic compounds, fundamental concepts in organic reaction mechanism, purification techniques of organic compound, qualitative and quantitative analysis of organic compounds	2).qualitative analysis of given organic compounds
	CHAPTER-9[HYDROCARBONS]	
	KEY CONCEPTS: Method of preparation, physical and chemical properties isomerism and nomenclature of saturated, unsaturated and aromatic hydrocarbons	1.Make short summary notes on all name reaction 2). Make summary notes on chapter hydrocarbons
	3RD PERIODIC TEST	
	REVISION AND REMEDIAL CLASSES	
DECEMBER	REVISION AND PREBOARD EXAMS	FULL SYLLABUS
JAN., FEB.	FINAL PRACTICAL AND FINAL EXAM	

CLASS XI - MATHEMATICS SYLLABUS SESSION 2025-26

MONTH	UNITS	CHAPTER/TOPIC	
APRIL	SETS AND FUNCTIONS	1. SETS	TO Find the number of subsets of a given set and verification.
		2. RELATION AND FUNCTION	To distinguish between a relation and function.
MAY	SETS AND FUNCTIONS	3. TRIGONOMETRIC FUNCTIONS	To verify the relation between the degree measure and the radian measure of an angle.
			To plot the graphs of $\sin x$, $\sin 2x$, $\sin x/2$ using same coordinate axis.
		4. COMPLEX NUMBERS AND QUADRATIC EQUATIONS	
JUNE		SUMMER - VACATIONS	
JULY	ALGEBRA	5. LINEAR INEQUALITIES	
		6. PERMUTATIONS AND COMBINATIONS	To find the number of ways in which three cards can be selected from given five cards.
		7. BINOMIAL THEOREM	
AUG.	CO-ORDINATE GEOMETRY	9. SEQUENCES AND SERIES	To determine that the Arithmetic mean of two positive numbers is always greater than the Geometric mean.
		10. STRAIGHT LINE	
SEPT.		REVISION AND EXAMS	
OCT.	CO-ORDINATE GEOMETRY	11. CONIC SECTION	An alternative method of constructing a parabola.
		12. INTRODUCTION TO THREE -D GEOMETRY	To explain the concept of octants by three mutually perpendicular planes in space.
	CALCULUS	13. LIMITS AND DERIVATIVES	To find analytically limit of a function at any given point.
NOV.	STATISTICS AND PROBABILITY	15. STATISTICS	
		16. PROBABILITY	To write the sample space ,when a coin is tossed once,two times,three times.....
DEC.		REVISION AND PRE-BOARD EXAMS	
JAN.		REVISION	
FEB.		ANNUAL EXAMS	

COURSE STRUCTURE

CLASS XI (2025-26)

Three Hours

Max Marks: 80

No.	Units	Marks
I.	Sets and Functions	23
II.	Algebra	25
III.	Coordinate Geometry	12
IV.	Calculus	08
V.	Statistics and Probability	12
	Total	80
	Internal Assessment	20

*No chapter/unit-wise weightage. Care to be taken to cover all the chapters.

MATHEMATICS QUESTION PAPER DESIGN

CLASS – XI (2025-26)

Time: 3 hours

Max. Marks: 80

S. No.	Typology of Questions	Total Marks	% Weight age
1	Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	44	55
2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	20	25
3	Analysing: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions	16	20
Total		80	100

- No chapter wise weightage. Care to be taken to cover all the chapters*
- Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.*

Choice(s):

There will be no overall choice in the question paper. However, 33% internal choices will be given in all the sections

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 Marks
Mathematics Activities	10 Marks

CLASS-XI(ENGLISH)2025-26

MONTH	TOPIC	ACTIVITY
APRIL	HORNBILL: L-1 THE PORTRAIT OF A LADY P-1 A PHOTOGRAPH SNAPSHOTS: L-1 THE SUMMER OF THE BEAUTIFUL WHITE HORSE GRAMMAR-Tenses READING FOR COMPREHENSION GRAMMAR-TENSES WRITING-SPEECH	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *COLLECTION OF OLD PHOTOGRAPHS *LOCATE ARMENIA & ASSYRIA IN ATLAS * TENSE CHART *DISCUSSION OF FORMAT,VALUE POINTS
	HORNBILL ... L-2 WE ARE NOT AFRAID... P-2 THE LABURNUM TOP SNAPSHOTS: L-2 THE ADDRESS WRITING: POSTERS READING : NOTE MAKING AND SUMMARISING	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *LABELLING A PICTURE OF A SHIP *POEM RECITATION * G.D. ON HUMAN BEHAVIOUR DURING CRISIS *POSTERS MAKING ON 'SAVE EARTH' * POSTER DRAFTING *DISCUSSION OF FORMAT,VALUE POINTS
JULY	HORNBILL: L-3 DISCOVERING TUT P-3 THE VOICE OF THE RAIN SNAPSHOTS: L-3 MOTHER'S DAY ALS ACTIVITIES WRITING: ADVERTISEMENTS	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *DOCUMENTARY OF KING TUT *ROLE PLAY *DISCUSSION OF FORMAT,VALUE POINTS *COLLAGE MAKING ACTIVITY(ADS)
	HORNBILL: P-4 CHILDHOOD WRITING: DEBATE GRAMMAR: CLAUSES SENTENCE TRANSFORMATION & RE-ORDERING	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *POEM RECITATION *DISCUSSION OF FORMAT,VALUE POINTS
AUG.	HORNBILL: L-4 THE ADVENTURE SNAPSHOTS L-4 BIRTH	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *MOVIE ON 'TIME TRAVEL' *PRESS CONFERENCE
	HORNBILL: L-5 SILK ROAD P-5 FATHER TO SON P-5 FATHER TO SON WRITING: ADVERTISEMENTS PROJECT	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *SPEECH ON GENERATION GAP *DISCUSSION OF FORMAT,VALUE POINTS *COLLAGE MAKING ACTIVITY(ADS)
	SNAPSHOTS:	*SILENT READING,DISCUSSION AND EXPLANATION

NOV.	L-5 THE TALE OF MELON CITY	*BRAIN STORMING, QUIZ * PREPARING MIND MAP
DEC.	REVISION AND PRE-BOARD EXAMS	*QUIZ, ORAL TEST, PEN PAPER TEST
JAN.FEB.	REVISION AND FINAL EXAMS	*QUIZ, ORAL TEST, PEN PAPER TEST

NOTE : Keeping in view the SDG _Sustainable Development Goals, all the lessons and poetry based activities will be undertaken.

**ENGLISH CORE
QUESTION PAPER DESIGN
CLASS-XI (2025-26)**

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	26
Grammar and Creative Writing Skills	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriate style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	23
Literature Text Book and Supplementary Reading Text	Recalling, reasoning, appreciating literary convention, inference, analysis, creativity with fluency, Critical Thinking.	31
	TOTAL	80
Internal Assessment	Assessment of Listening and Speaking Skills <ul style="list-style-type: none"> • Listening • Speaking 	10 5+5
	<ul style="list-style-type: none"> • Project Work 	10
	GRAND TOTAL	100

Class XI - INFORMATION TECHNOLOGY – 802			
Session: 2025-26			
Month	Topic	Teaching Aids	Activities
April	PART-B		
	Unit-1 Computer Organisation and	Chalk , Green Board	Quiz, Text Book
May	Unit-2 Networking & Internet	Projector, Computer	Hand on Learning
July	Unit- 3 Office Automation Tools	Projector, Computer	Experiments, Projects
August	Unit 4- RDBMS	Projector, Computer	Experiments, Projects
September	Revision & Half Yearly Examination		
October	Unit 5 Fundamentals of Java	Projector, Computer	Experiments, Projects
	Part-A		
November	Unit -2 Self Management Skills	Projector, Computer	
	Unit-3 Basic ICT Skills		
December	Unit-4 Entrepreneurial Skills	Chalk , Green Board	
	Revision & Pre-Board Examination		

	UNITS	NO. OF HOURS for Theory and Practical		MAX. MARKS for Theory and Practical
Part A	Employability Skills			
	Unit 1 : Communication Skills-III	10		2
	Unit 2 : Self-Management Skills-III	10		2
	Unit 3 : ICT Skills-III	10		2
	Unit 4 : Entrepreneurial Skills-III	15		2
	Unit 5 : Green Skills-III	05		2
	Total	50		10
Part B	Subject Specific Skills	Theory (In Hours)	Practical (In Hours)	Marks
	Unit -1 : Computer Organization	15	15	5
	Unit -2 : Networking And Internet	15	25	10
	Unit-3 : Office Automation Tools	15	30	10
	Unit-4: RDBMS	15	20	10
	Unit-5: Fundamentals of Java	25	35	15
	Total	85	125	50

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SYLLABUS PLANNING PERFORMA SESSION 2025-26

Class- XI Subject- Political Science

MONTH & CHAPTERS	CONTENT
APRIL chapter 1:Constitution: Why and How?	*Why do we need a Constitution? *The authority of a Constitution. *How was the Indian Constitution made?
chapter 2:Rights in the Indian constitution	*The Importance of Rights *Fundamental Rights in the Indian Constitution. *Directive Principles of State Policy. *Relationship between Fundamental Rights &Directive Principles
MAY chapter-3 Election and representation	*Elections and Democracy *Election System in India *Reservation of Constituencies *Free and Fair Elections *Electoral Reforms
chapter 4- Legislature	*Why do we need a Parliament? *Two houses of Parliament *What does the Parliament do? *How does the Parliament make Laws? *How does the Parliament control the Executive and Regulate itself?
UNIT TEST-1	UNIT TEST-1
JULY- chapter 5- Executive	*What is an Executive? * Different Types of Executive * Parliamentary Executive in India *Prime Minister and Council of Ministers *Permanent Executive: Bureaucracy
chapter 6- Judiciary	*Why do we need an Independent Judiciary? *Structure of the Judiciary *Judicial Activism Judiciary and Rights *Judiciary and Parliament *JudicialOver-reach.
chapter 7- Federalism	*What is Federalism? *Federalism in the Indian Constitution *Federalism with a strong Central Govt. *Conflicts in India's Federal system *Special provisions
AUGUST chapter 8- Local governments	*Why Local Governments?* Growth of Local Governments in India *Implementation of 73rd& 74th Amendments

chapter 9- Constitution as a living document chapter 10: The philosophy of constitution	*Are Constitutions Static? *How to amend the Constitution? *Why have there been so many amendments? *Constitution as a living document
SEPTEMBER	REVISION AND EXAMS
Chapter 1- Political Theory: An introduction	*What is Politics? *What do we study in Political Theory? *Putting Political Theory to practice *Why should we study Political Theory?
OCTOBER- Chapter 2- Liberty/Freedom Chapter 3- Equality	*What is Freedom? *Why do we need Constraints? * Harm Principle *Negative and Positive Liberty *What is Equality? *Why does Equality matter? * Three dimensions of Equality *How can we promote Equality?
NOVEMBER Chapter 4- Justice Chapter 5- Rights	*What is Justice? *Just Distribution *John Rawls Theory of Justice *Pursuing Social Justice *Different dimensions of Justice *What are Rights? *Legal Rights and the state *Kinds of Rights *Rights and Responsibilities *Human Rights
Chapter 6- Citizenship	*Citizen & Nation *Universal Citizenship *Global Citizenship
DECEMBER Chapter 7- Nationalism	*Introducing Nationalism *Nations & Nationalism *National Self determination *Nationalism and Pluralism *Nationalism & Multiculturalism.
Chapter 8- Secularism	*What is Secularism? *Secular state *The Western Model of Secularism
JANUARY & FEBRUARY	REVISION AND EXAMS

CLASS –XI Physical education (2025-26)

MONTH	TOPIC	ACTIVITY
APRIL	UNIT-1 CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION UNIT-2. OLYMPISM	* TO COLLECT THE INFORMATION REGARDING VARIOUS CAREER OPTION IN PHYSICAL EDUCATION AND DISCUSSION IN GROUP ACTIVITY. TO COLLECT THE VARIOUS OLYMPICS DETAIL MODERN AND ANCIENT
MAY	UNIT-3 YOGA PRACTICAL - ATHLETICS Test and Revision	MAKE A CHART OF DIFFERENT YOGA ASANAS POSTER FOR DIFFERENT LIFESTYLE DISEASE
JUNE	SUMMER BREAK	
JULY	UNIT-4 PHYSICAL EDUCATION AND SPORTS FOR CWSN (Children with special needs- Divyang) UNIT-5. PHYSICAL FITNESS HEALTH AND WELLNESS	PLAN ACTIVITY FOR PROMOTION OF CWSN IN VARIOUS SPORTS ACTIVITY MAKE A CHART OF DIFFERENT COMPONENTS OF DIET
AUGUST	UNIT-6 TEST AND MEASUREMENT AND EVALUATION UNIT-7. FUNDAMENTALS OF ANATOMY AND	TO CONDUCT A PHYSICAL FITNESS TEST AND COLLECT A DATA AND EXPLAIN DATA PROCEDURE IN PRACTICAL WAY

	UNIT-8. FUNDAMENTALS OF KINGSOLOGY AND BIOMECHANICS IN SPORTS	
SEPTEMBER	HALF YEARLY EXAMS	
	Practical - YOGA PRACTICES FOR PREVENTIVE LIFESTYLE DISEASE	
OCTOBER	UNIT - 9. PSYCHOLOGY AND SPORTS	
NOVEMBER	UNIT-10 TRAINING AND IN SPORTS	MAKE A CHART OF VARIOUS TRAINING METHODS FOR DEVELOPING DIFFERENT COMPONENTS OF PHYSICAL FITNESS
DECEMBER	REVISION TEST AND EXAMS	

XI Music			
Month	Topices	Teaching Aids	Activities
April	Practical Raag Vihag Theory : Andolan,Naad,Shruti,Swar Saptak and Sangeet & its type	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	prepare file of Raag Vihag
May	Practical : Taal Kaharava & Dadra with hand beats Theory:- Raag And its rule ,Thaat and its type,some important Basic deffinations such as Margi-desi sangeet,Nibadh-anibadh gaan Taal etc	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	Prepare file of Taal Kaharava and Dadra taal
June	Summer Break		
July	Raag Thaata and Basic deffinations of MusicRaag Bhairavi, Teen Taal with hand beats Theory:- Description Laya and its types,VadiSamvadi swar Khyal,Dhrupad,Dhamar & Tarana	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	Prepare file of Raag Bhairavi and teentaal
Aug	Practical : Ektaal and chartaal Theory : Brief study of Natya Shstra and Brihatdeshi various parts and Tuning of taanpura	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	Prepare file of ektaal and chartaal
September	Revision & Exam		
October	practical: Raag jaunpuri and Sultaal Theory :- life sketch of Taansen & Pt.Bhatkhande ji	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	Prepare file of Raag Jaunpuri
November	Practical : Raag Bhimplasi Theory: Ghrana of hindustani music,life sketch of Taansen & Pt.V.D.palushkar ji	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	Prepare file of Raag Bhimplasi I
December	Revision & Exams		
January	structur and tunning of taanpura, practice of all raagas and revision	Chalk ,Duster, Board, Animared Video,Harmonium ,Tabla and Taanpura	prepare alaap and taan

Class-XI Physics Annual Planning for Session 2025-2026

MONTH	TOPIC	ACTIVITY
MAY	Physical World and Measurement	1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given eaker/calorimeter using Vernier Callipers and hence find its volume.
		2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine volume of an irregular lamina using screw gauge.
JUNE	Kinematics	4. To determine radius of curvature of a given spherical surface by a spherometer.
		5. To determine the mass of two different objects using a beam balance. 6. To find the weight of a given body using parallelogram law of vectors.
JULY	Laws of Motion	
JULY		7. Using a simple pendulum, plot its L-T ² graph and use it to find the effective length of second's pendulum.
	Work, Energy and Power	8. To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result. 9. To study the relationship between force of limiting friction and normal reaction and to find the coefficient of friction between a block and a horizontal surface.
	Motion of System of Particles and Rigid Body	1.To determine Young's modulus of elasticity of the material of a given wire. 2. To find the force constant of a helical spring by plotting a graph between load and extension. 3. . To determine the surface tension of water by capillary rise method
August	Gravitation	4. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body. 5. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.
SEPTEMBER	Properties of Bulk MATTER	

	Thermodynamics	
	REVISION FOR MID TERMS	
November	Behaviour of Perfect Gases and Kinetic Theory of Gases	<p>7. To determine specific heat capacity of a given solid by method of mixtures.</p> <p>8. To study the relation between frequency and length of a given wire under constant tension using sonometer.</p> <p>9. To study the relation between the length of a given wire and tension for constant frequency using sonometer.</p>
November	Oscillations and Waves	
DECEMBER	REVISION FOR ANNUAL EXAM	

Class-XI Biology Annual Planning for Session 2025-26

Month	Contents	Activities /Teaching Aids/Practicals
April	chap.-1 The living world	Use of Green Board and preparation of notes,Use of permanent Slides
	Chap.-2 Biological Classification	
May-June	Chap. 3 Plant kingdom	Use of Green Board and preparation of notes,Use of permanent Slides.
	Chap.-4 Animal kingdom	
July	Chap.-4 Animal kingdom	Use of Green Board and preparation of notes,Use of permanent Slides
	Chap.-5 Morphology of flowering plants	Explanation of Different floral parts
August	Chap.-5 Morphology of flowering plants	Use of Green Board and preparation of notes, Study of plant Stems
	Chap.-6 Anatomy of flowering plants	Use of Green Board and preparation of notes microscopic study of tissues
	Chap.-7 structural organisation in animals	Use of Green Board and preparation of notes, microscopic study of tissues
September	Chap.-8 Cell the basic unit of life	Use of Green Board and preparation of notes, microscopic study of tissues
	Chap.-9 Biomolecules	Use of Green Board and preparation of notes microscopic study of Cell Division
	Chap.-10 Cell Cycle	Use white board ,or PPTs and I.T.Tools study of slides of cell division
October	Chap.-11 Photosynthesis in heigher plants	Use of Green Board and preparation of notes
	Chap.-12 Respiration in plants	Use of Green Board and preparation of notes
	Chap.-13 Plant growth and development	Use of Green Board and preparation of notes
November	Chap.-14 Breathing and gaseous exchange	Use of Green Board and preparation of notes
	Chap.-15 Body fluid and circulation	Use of Green Board and preparation of notes
	Chap.-16 Excretory products and their elimination	Use of Green Board and preparation of notes
December	Chap.-17. Locomotion and movement	Study of skelton system and use of Green Board
	Chap.-18. Neural control and coordination	Use of Green Board and preparation of notes ,Study of Nervous system Model and chart
	Chap19..-Chemical coordination and integration	Use of Green Board and preparation of notes Example of Hormonal effects on body

A: List of Experiments

1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).
5. Study of distribution of stomata on the upper and lower surfaces of leaves.
6. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves.
7. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
8. Separation of plant pigments through paper chromatography.
9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
10. Test for presence of urea in urine.
11. Test for presence of sugar in urine.
12. Test for presence of albumin in urine.
13. Test for presence of bile salts in urine.

B. Study and Observe the following (spotting):

1. Parts of a compound microscope.
2. Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
3. Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.
4. Mitosis in onion root tip cells and animal's cells (grasshopper) from permanent slides.
5. Types of inflorescence (cymose and racemose).
6. Human skeleton and different types of joints with the help of virtual images/models only.

PRACTICALS

Time: 03 Hours

Max. Marks: 30

Evaluation Scheme		Marks
One Major Experiment Part A (Experiment No- 1,3,7,8)		5 Marks
One Minor Experiment Part A (Experiment No- 6,9,10,11,12,13)		4 Marks
Slide Preparation Part A (Experiment No- 2,4,5)		5 Marks
Spotting Part B		7 Marks
Practical Record + Viva Voce	(Credit to the student's work over the academic session may be given)	4 Marks
Project Record + Viva Voce		5 Marks
Total		30 Marks

A. List of Experiments

BIOLOGY (Code No. 044) COURSE STRUCTURE CLASS XI (2023 -24) (THEORY)

Time: 03 Hours

Max. Marks: 70

Unit	Title	Marks
I	Diversity of Living Organisms	15
II	Structural Organization in Plants and Animals	10
III	Cell: Structure and Function	15
IV	Plant Physiology	12
V	Human Physiology	18
Total		70

CLASS XI (ACCOUNTANCY)		
MONTH	TOPIC	Outcomes
APRIL	Introduction to Accounting Basic Accounting Terms Accounting Equation	Introduction of Basic Accounting Terms Book keeping, Accounting And Accountancy Objectives ♦ Advantages and limitations. ♦ Types of Accounting ♦ Users of accounting information, Business transaction, Account,
MAY	Theory and Bases of Accounting Process and Bases of Accounting Double Entry System	Fundamental accounting assumptions GAAP Concept, objectives, advantages and limitation of accounting in the modern economic environment. Meaning of Cash Basis and Accrual basis of Accounting, Vouchers & its Types Concept of Dr. And Cr.
JUNE	SUMMER BREAK	
JULY (Con.)	Double Entry System (Ledger) Accounting for Goods & Services Tax (GST) Cash Book	Journal Meaning Rules of Debit & Credit and Journal Entries GST its types, Inter State, Intra state GST Cash book-simple cash book, double column cash book and petty cash book
August	Other Subsidiary Book Trial Balance	Other subsidiary book like Purchase, sale, purchase Return, sa les Return & Journal Proper, Ledger format, Meaning, objectives and Preparation Bank Reconciliation Statement- Need and preparation of BRS

	BRS	
SEPTEMBER	REVISION AND HALF YEARLY EXAMS	
OCTOBER	<p>Depreciation</p> <p>Provision & Reserves</p> <p>Capital & Revenue</p>	<p>Meaning, Features, Needs, Causes, factors Methods of Depreciation SLM & WDV, Methods of recording depreciation.</p> <p>Provision & Reserves, Types of Reserves Difference between Provision & Reserves</p> <p>Expenditure and its types, Revenue and its types</p>
NOVEMBER	<p>Rectification of Errors</p> <p>Accounts from Incomplete Records</p>	<p>Errors classification- error of omission, commission, principles and compensating errors</p> <p>Single entry system. Difference between double entry & single entry system</p>
DECEMBER	Financial Statement (with & without Adjustments)	<p>Meaning, objectives, importance, Trading and Profit & Loss Account, Gross Profit, Net Profit, Operating profit</p> <p>Preparation of Balance Sheet of a sole proprietorship. (Adjustments)</p>

HINDI – CLASS – XI		
MONTH	UNIT	ACTIVITY
अप्रैल	पाठ - (आरोह भाग 1) प्रेमचंद- नमक का दारोगा कविता - कबीर- हम तो एक एक करि जाना (वितान)- कुमार गंधर्वभारतीय गायिकाओं में बेजोड़ लता मंगेशकर अपठित बोध पत्र लेखन, अनुच्छेद लेखन -महत्व पर आधारित	ईमानदारी पर आधारित कहानी रचना के माध्यम से ईमानदारी की भावना पैदा करना फिल्म जगत से जुड़े प्रसिद्ध गायकों की सूची तैयार करना
मई	(आरोह भाग 1) कृष्णा सोबती- मिया नसीरुद्दीन कविता - मीरा - मेरे तो गिरधर गोपाल (अभिव्यक्ति और माध्यम) जनसंचार के माध्यम	कोई भी कार्य छोटा नहीं होता विषय पर भाषण कृष्ण के प्रांते मीरा के अनन्य प्रेम पर चर्चा
जुलाई	(आरोह भाग 1)पाठ -सत्यजीत राय- अपू के साथ ढाई साल, बालमुकुंद गुप्त- विदाई संभाषण कविता - भवानी प्रसाद- मिश्र घर की याद (वितान भाग 1) अनुपम मिश्र- राजस्थान की रजत बूंदें पत्र लेखन - औपचारिक पठित/ अपठित बोध	प्राचीन व आधुनिक फिल्म निमोण से संबंधित जानकारी एकत्रित करना राजस्थान की संस्कृति से जुड़ी अन्य जानकारी एकत्रित करना
अगस्त	पाठ - शेखर जोशी- गलता लोहा कविता - त्रिलोचन- चंपा काले काले अच्छर नहीं चीन्हती अभिव्यक्ति और माध्यम- कथा पटकथा, कार्यालयी लेखन और प्रक्रिया अर्धवार्षिक परीक्षा की पाठ्यक्रम की पुनरावृत्ति	विद्या रूपी धन को कोई चुरा नहीं सकता विषय पर कहानी लेखन
सितंबर	पाठ - मन्नू भंडारी- रजनी कृष्ण चंद्र -जामुन का पेड़ द्रष्टुं कुमार- गजल अक्क महादेवी- हे भूख! मत मचल, मेरे जूही के फूल जैसे ईश्वर (वितान भाग 1) बेबी हालदार- आलो आंधारि	सुप्रसिद्ध महिला समाज सुधारकों के नाम जानकर उनकी विशेषताएं एकत्रित कीजिए कामकाजी महिलाओं की समस्याओं पर चर्चा
अक्टूबर	पाठ - जवाहरलाल नेहरू- भारत माता कविता -अवतार सिंह पाश- सबसे खतरनाक निमला पुतुल- आओ मिलकर बचाएं (अभिव्यक्ति और माध्यम) स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र शब्दकोश, संदर्भ ग्रंथों की उपयोग विधि	भारतीय किसानों से जुड़ी समस्याओं पर चर्चा
नवंबर	पाठ्यक्रम की पुनरावृत्ति व दोहराई कार्य	
दिसंबर	निरीक्षण कार्य व पाठ्यक्रम की पुनरावृत्ति प्रो बोर्ड परीक्षा	
जनवरी	शीतकालीन अवकाश	

	पुनरावृत्ति कार्य	
फरवरी	पुनरावृत्ति वार्षिक परीक्षा	
मार्च	वार्षिक परीक्षा	

Session 2025-26
CLASS- XI ECONOMICS

MONTH	TOPIC	ACTIVITY
APRIL	PART-A STATISTICS FOR ECONOMICS UNIT-1 INTRODUCTION UNIT-2 COLLECTION ,ORGANISATION AND PRESENTATION OF DATA COLLECTION OF DATA REVISION AND TEST	PREPARATION OF QUESTIONNAIRE
MAY	ORGANISATION OF DATA PRESENTATION OF DATA REVISION AND TEST	TO MAKE A CHART SHOWING PRESENTATION OF DATA VIA TABLES AND DIAGRAMS
JULY	UNIT-3 STATISTICAL TOOLS OF INTERPRETATION MEASURE OF CENTRAL TENDENCY REVISION AND TEST	TO STUDY HOW TO CALCULATE AVERAGES AND THEIR USES IN PRACTICAL LIFE
AUGUST	MEASURE OF DISPERSION CORRELATION INDEX NO. REVISION AND TEST	TO STUDY HOW TO CALCULATE CORRELATION IN DIFFERENT FACTORS
SEPTEMBER	MID TERM EXAMS PART B-INTRODUCTORY MICRO ECONOMICS INTRODUCTION CONSUMER EQUILIBRIUM	TO STUDY CENTRAL PROBLEMS OF THE ECONOMY
OCTOBER	THEORY OF DEMAND AND PRICE ELASTICITY OF DEMAND PRODUCERS BEHAVIOUR AND THEORY OF COST	TO STUDY DIFFERENT METHODS OF MEASURING PRICE ELASTICITY OF DEMAND
NOVEMBER	THEORY OF SUPPLY FORMS OF MARKET AND PRICE DETERMINATION UNDER PERFECT COMPETITION	TO STUDY DIFFERENT FORMS OF MARKET AND EFFECT OF GOVT. INTERVENTION IN MARKET
DEC.	REVISION AND PRE-BOARD EXAMS	
JAN. FEB.	REVISION AND FINAL EXAMS	

Theory: 80 Marks
Project: 20 Marks

3 Hours

Units		Marks	Periods
Part A	Statistics for Economics		
	Introduction	13	07
	Collection, Organisation and Presentation of Data		27
	Statistical Tools and Interpretation	27	66
		40	100
Part B	Introductory Microeconomics		
	Introduction	4	8
	Consumer's Equilibrium and Demand	13	32
	Producer Behaviour and Supply	13	32
	Forms of Market and Price Determination under perfect competition with simple applications	10	28
		40	100
Part C	Project Work	20	20

	XI- (Business Studies)(2025-26)		
Month	Topic	Activity	Project work
Part A	Foundations of Business		
April	1. Evolution and Fundamentals of Business	Select a local enterprise and find out the objective of that enterprise	
May	2. Forms of business Organisation	To study the Profit of sole proprietorship/ Partnership firm	
July	3.Private ,Public and Global enterprises	Make a list of Private company, Public Company, MNCs	
August	4. Business services	Identify the list of various services provided or used in Business	Identify the different aids used in business.
	5. Emerging mode of Business		
Sept.	Half Yearly Exam		
	6. social Responsibility and Business ethics	Read Newspaper Magazine and Identify responsibility of firms.	
Oct.	7.Sources of Business Finance	Prepare a chart of all sources of Finance	
	8.Small Business	prepare a questionnaire to find out the actual problem faced by owners	
Nov.	9.Internal Trade		A project on wholesale market / Sole proprietorship
Dec.	10. International Business Revision Tests		
	January & February - Revision of L- 1 to 10 & Exams		