

RAMJAS INTERNATIONAL SCHOOL



Syllabus Class – 12th

(2026-27)

English Core Syllabus 2026-27

MONTH	TOPIC	ART INTEGRATION	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
<p>MARCH-APRIL (23 Days)</p>	<p>ADVANCED WRITING SKILLS: Notice Writing Invitation and Reply Writing Letter to The Editor</p> <p>Literature: Flamingo The Last Lesson My Mother at Sixty-six (Poem)</p> <p>Literature: Vistas The Third Level (Prose)</p>	<p>My Mother at Sixty - six</p> <p>Assignment: The Four-Panel Emotional Journey</p> <p>Objective: To visually represent the shift in the poet’s perspective from physical observation to internal emotional turmoil using sequential art.</p>		<p align="center">WORKSHEETS</p>
<p align="center">MAY (20 Days)</p>	<p>Advanced Writing Skills: Job Application</p> <p>Literature: Flamingo Lost Spring (Prose)</p> <p>Literature: Vistas Journey to the end of the Earth (Prose)</p>			<p align="center">WORKSHEETS</p>
	<p>Advanced Writing Skills: Report Writing Article Writing</p>			

<p style="text-align: center;">JULY (25 Days)</p>	<p>Literature: Flamingo Keeping Quiet (Poem) The Interview (Prose) Aunt Jeniffer's Tigers (Poem)</p>	<p>The Interview Assignment: The Eco's Interstice Time Capsule Objective: To understand and apply Umberto Eco's philosophy of time management and empty spaces to your own daily routine through 3D assemblage art.</p>		<p style="text-align: center;">WORKSHEETS</p>
<p style="text-align: center;">AUGUST (22 Days)</p>	<p>Literature: Flamingo A Thing of Beauty (Poem) Poets & Pancakes (Prose) Literature: Vistas The Tiger King (Prose)</p>		<p style="text-align: center;">ASSESSMENT OF SPEAKING AND LISTENING</p>	<p style="text-align: center;">WORKSHEETS</p>
<p style="text-align: center;">SEPTEMBER (22 Days)</p>	<p>Literature: Flamingo A Roadside Stand (Poem) Literature: Vistas Deep Water (Prose) Memories of Childhood (Prose)</p>			<p style="text-align: center;">WORKSHEETS</p>
	<p>Literature: Vistas Going Places (Prose)</p>	<p style="text-align: center;">Going Places</p>		<p style="text-align: center;">WORKSHEETS</p>

OCTOBER (22 Days)	Literature:Flamingo The Rattrap (Prose) Indigo (Prose)	Assignment: The "Sophie's Feed" Project Objective: To explore the gap between Appearance and Reality in A.R. Barton's Going Places by designing a curated social media profile for the protagonist, Sophie.		
NOVEMBER (19 Days)	Literature:Vistas On the Face of It (Prose) The Enemy (Prose)			
DECEMBER - JANUARY	REVISION OF WHOLE SYLLABUS			

CLASS - 12th SUBJECT -PHYSICS

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
April	I	Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance		1.Ohms law, 2.Meter bridge- resistance 3. Meter bridge- series	1. To assemble a circuit
May	II, III	Chapter–3: Current Electricity Chapter–4: Moving Charges and Magnetism		4.Prism – angle of min deviation	2. Open circuit/ Closed circuit
June	III	Chapter–4: Moving Charges and Magnetism			
July	III,IV	Chapter–5: Magnetism and Matter Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current	Investigatory Project	5.‘f’-Convex lens	3. to study variation of potential drop

Aug	V, VI	Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics and Optical Instruments		6. 'f'-Convex mirror 7. Frequency- AC Mains	
Sept	VI	Chapter–10: Wave Optics			4. Identify Diode etc
Oct	VII, VIII, IX	Chapter–11: Dual Nature of Radiation and Matter Chapter–12: Atoms Chapter–13: Nuclei		8. P- Junction	5. Nature and size-convex lens 6. Polariser / Analyser
Nov	IX	Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits Revision			
Dec		Revision & Pre Board 1 Exam			
Jan		Pre Board 2 Exam			
Feb					

CLASS XII Syllabus : Chemistry (043)

Month	Unit	Topics	Art Integration Activity	Practicals	Subject Enrichment Activity
April	2. Electrochemistry 3. Chemical Kinetics	<p>2. Electrochemistry Redox reactions, EMF of a cell, standard electrode potential, Relation between Gibbs energy change and EMF of a cell, Nernst equation and its application to chemical cells, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis.</p> <p>3. Chemical Kinetics Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions).</p>	Development and study of different type of cells	(i) Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs. (ii) Characteristic tests of functional groups	1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions

May	1. Solutions # Pre UT1	1. Solutions Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties.	HHW	Volumetric analysis Determination of concentration/ molarity of KMnO ₄ solution by titrating it against a standard solution of (i) Oxalic Acid (ii) Mohr's Salt	1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions
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July	<p># UT1</p> <p>6. Haloalkanes and Haloarenes</p> <p>7. Alcohols, Phenols and Ethers</p>	<p>6. Haloalkanes and Haloarenes Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. Haloarenes: Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).</p> <p>7. Alcohols, Phenols and Ethers Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration. Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.</p>		<p>Chromatography</p> <p>Salt analysis</p>	<ol style="list-style-type: none"> 1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions
August	<p>8. Aldehydes, Ketones and Carboxylic acids</p> <p>9. Organic compounds containing Nitrogen</p> <p># Half Yearly Exams</p>	<p>8. Aldehydes, Ketones and Carboxylic Acids Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses. Carboxylic</p>		<p>Salt analysis</p>	<ol style="list-style-type: none"> 1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions 4. Visit

		<p>Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.</p> <p>9. Organic compounds containing Nitrogen Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.</p>			
September	10. Biomolecules	<p>10. Biomolecules Carbohydrates: Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration Proteins: Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins. Nucleic Acids: DNA and RNA</p>	Study of different food items and their composition	# Revision	<ol style="list-style-type: none"> 1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions
October	4. d and f block elements 5. Coordination Compounds	<p>4. d-and f-Block Elements General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation. Lanthanoids - Electronic configuration, oxidation</p>		# Revision	<ol style="list-style-type: none"> 1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions 4. Talk by alumni

		states and lanthanoid contraction and its consequences. 5. Coordination Compounds Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT.			
November	# Revision # PB1			# Revision	1. Worksheets 2. Discussion of PYQ 3. Discussion of important Questions
December	# PB2 # Mock Practicals			# Revision	
January	# Revision # Practical Examinations				
February	# Revision				
March	# CBSE Board Exams				

SUBJECT –MATHEMATICS CLASS 12 (2026-27)

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
APRIL	UNIT II UNIT III	<p>Matrices</p> <ul style="list-style-type: none"> *Order of a matrix. *Types of Matrices *Construction of a matrix *Equality of Matrices *Adjoint & Inverse of a Matrix *Symmetric & Skew Symmetric Matrices *Breaking a square matrix as sum of a symmetric and a skew Symmetric Matrix. <p>Determinants</p> <ul style="list-style-type: none"> *Evaluation of a Determinant by any row or any column. *Area of a triangle using Determinants. *Collinearity of 3 points using determinants. *discussion on Continuity & Differentiability *Differentiation 	CS Coding on construction of a matrix	1.To check the continuity of a function at a given point.	Quiz
MAY	UNIT I UNIT V	<p>Relations & Functions</p> <ul style="list-style-type: none"> *Types of Relations *Types of Functions *Inverse trigonometry *Principal value branch *Graphs of Inverse trigonometric Functions. *LPP *Solving a system of constraints by corner point method. 	CS Coding on drawing the graphs of the functions.	<p>2.Graph of $\sin^{-1} x$.</p> <p>3. Checking of one one & onto functions</p> <p>4. Rolles theorem</p>	Case Studies On Relations & Functions.
JULY	UNIT III	<p>Indefinite Integration</p> <ul style="list-style-type: none"> *Integral as anti derivative *By Substitution 		5.LMV Theorem	Problem solving

		<ul style="list-style-type: none"> *By using Trigonometry *By Partial fractions *By Parts *Standard forms & Definite Integration. 			
AUG	UNIT III	<ul style="list-style-type: none"> *Solving Definite integrals using properties *AO *Differential Equations *Order and degree of a differential equation *Variable Seperable DE *Homogeneous DE *Linear DE 		6.Distance Formula in 3- D	Formula Booklet making
SEP	UNIT III	<ul style="list-style-type: none"> *Derivative as a rate measurer *Increasing and decreasing functions 			Case studies
OCT	UNIT III UNIT IV	<ul style="list-style-type: none"> *Maxima Minima *First Derivative Test *Second Derivative Test *Vectors <p>Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector.</p> <ul style="list-style-type: none"> *Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, *Multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of 		7,Application of Maxima Minima 8.Absolute Maxima Minima	Case studies

		vectors. * Vector (cross) product of vector			
NOV	UNIT IV UNIT VI	3-D *Equations of lines *In Vector and Cartesian Form *Angle between lines *Skew lines *Distance between parallel lines *PROBABILITY *Conditional Probability *Independent Events *Bayes theorem *PD Table		9. Prove using Vectors that the angle in a semi circle is a right angle. 10. Conditional Probability activity.	Case Studies Problem Solving.
DEC		PREBOARDS			QUIZ REASONING
JAN		PREBOARDS			

SUBJECT – COMPUTER SCIENCE 12th

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
APR	Unit 3: Database Management	<ul style="list-style-type: none"> ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join 	Preparing notes and practical file of MySQL	<p>Practical File programs based on the following:</p> <ol style="list-style-type: none"> 1. MySQL 2. Data Query 3. SELECT 4. Delete 5. Drop 6. Alter 7. INSERT 8. DELETE 9. UPDATE 	<p>Design a database schema for the chosen organization, considering the following:</p> <p>Identify and define the entities (e.g., customers, products, orders). Determine the attributes for each entity. Establish relationships between entities (one-to-one, one-to-many, many-to-many). Define appropriate keys (primary keys, foreign keys) for maintaining data integrity.</p>
MAY	Unit 1: Computational Thinking and Programming – 2	<ul style="list-style-type: none"> ● Revision of Python topics covered in Class XI. 		<p>Practical File programs based on the following:</p> <p>Class XI all important topics like Function list, dictionary and string</p>	
JUN					
JUL	Unit 1: Computational Thinking and Programming – 2	<ul style="list-style-type: none"> ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a 	<p>Preparing Practical File programs based on the following</p> <ol style="list-style-type: none"> 1. Functions 	<p>Practical File programs based on the following:</p> <ol style="list-style-type: none"> 1. Functions 2. Exception Handling 	<p>Create a chart :</p> <ol style="list-style-type: none"> 1. Functions 2. Exception Handling 3. Introduction to files

		variable (global scope, local scope) <ul style="list-style-type: none"> ● Exception Handling: Introduction, handling exceptions using try-except-finally blocks ● Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths 	2. Exception Handling 3. Introduction to files:	3. Introduction to files	
AUG	Unit 1: Computational Thinking and Programming – 2	<ul style="list-style-type: none"> ● Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file ● Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file ● CSV file: import csv module, open / close csv file, write into a csv file using riter(), writerow(), writerows() and read from a csv file using reader() ● Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. 	Preparing Practical File programs based on the following: 1.Text file 2.Binary file 3.CSV file 4.Data Structure	Practical File programs based on the following: 5.Text file 6.Binary file 7.CSV file 8.Data Structure	Activity based on file modes
SEP		Practical File submission+ HALF YEARLY EXAM Practical preparation+ Revision and doubt session :6th to 21st HALF YEARLY EXAM	Preparing Practical File Work	Preparing Practical File Work	Preparing Practical File Work
OCT	Unit 3: Database Management	<ul style="list-style-type: none"> ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries 	Practical File + Project work started	Project work started	Creating banner based on different type of data access activity

NOV	Unit 2: Computer Networks	<ul style="list-style-type: none"> ● Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) ● Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) ● Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP ● Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting 	Practical File + Project work started	Project work started	Banner Activity : Network devices Network protocol
DEC		Revision and doubt session all units	Practical File + Project work started	Project work started	
JAN	CBSE Board Practical Exams	Practical File submission + practical preparation + Revision and doubt session			
FEB	CBSE Board Practical Exams	Revision and doubt session			

SUBJECT – INFORMATICS PRACTICES 12th

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
APR	Unit 1: Data Handling using Pandas -I	Introduction to Python libraries- Pandas, Matplotlib. Data structures in Pandas - Series and Data Frames. Series: Creation of Series from – ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing. Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing; Importing/Exporting Data between CSV files and Data Frames.	Preparing Practical File programs based on the following: 1. Series 2. Data Frames	Practical File programs based on the following: 1. Series 2. Data Frames	Data Manipulation with Pandas DataFrames
MAY	Unit 1: Data Handling using Pandas -I	Data Visualization Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph, histogram Customizing plots: adding label, title, and legend in plots.	Preparing Practical File programs based on the following: -Data Visualization	Practical File programs based on the following: Data Visualization	Creating banner: To understand the purpose of data visualization and to learn how to plot and draw different types of plots using Matplotlib, including line plots, bar graphs, and histograms.
JUN					

JUL	Unit 2: Database Query using SQL	<p>Revision of database concepts and SQL commands covered in class XI</p> <p>Math functions</p> <p>Text functions</p> <p>Date Functions</p> <p>Aggregate Functions</p> <p>Querying and manipulating data using Group by, Having, Order by.</p> <p>Working with two tables using equi-join</p>	Preparing practical file of MySQL	<p>Practical File programs based on the following:</p> <ol style="list-style-type: none"> 1. MySQL 2. Math functions 3. Date Functions 4. Text functions 5. Aggregate Functions 6. Equi-join 	<p>Design a database schema for the chosen organization, considering the following:</p> <p>Identify and define the entities (e.g., customers, products, orders).</p> <p>Determine the attributes for each entity.</p> <p>Define appropriate keys (primary keys, foreign keys) for maintaining data integrity.</p>
AUG	Unit 3: Introduction to Computer Networks	<p>Introduction to networks, Types of network: PAN, LAN, MAN, WAN.</p> <p>Network Devices: modem, hub, switch, repeater, router, gateway</p> <p>Network Topologies: Star, Bus, Tree, Mesh.</p> <p>Introduction to Internet, URL, W W W, and its applications- Web, email, Chat, VoIP.</p> <p>Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website.</p> <p>Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.</p>	Preparing Practical File	Preparing Practical File	<p>Create a presentation on network devices highlighting their types, functions, and importance in networking.</p>
SEP		<p>Practical File submission</p> <p>+</p> <p>HALF YEARLY EXAM</p> <p>Practical preparation +</p> <p>Revision and doubt session :</p> <p>6th to 21st</p> <p>HALF YEARLY EXAM</p>	Preparing Practical File	Preparing Practical File	

OCT	Unit 3: Database Management	<ul style="list-style-type: none"> ● CSV : Importing/Exporting Data between CSV files and Data Frames ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries 	Practical File + Project work started	Practical File + Project work started	<p>Task Description: Import data from a CSV file into a Python DataFrame and perform data manipulation operations such as filtering, sorting, or statistical analysis. Then, export the modified DataFrame back to a CSV file.</p>
NOV	Unit 4: Societal Impacts	<p>Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act.</p> <p>E-waste: hazards and management.</p> <p>Awareness about health concerns related to the usage of technology</p>	Practical File + Project work started	Practical File + Project work started	<p>Cyber Safety Awareness Campaign:</p> <p>To raise awareness about digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, cybercrime and cyber laws, hacking, phishing, cyberbullying, and an overview of the Indian IT Act.</p>
DEC		Revision and doubt session all units	Practical File + Project work started	Practical File + Project work started	

JAN	CBSE Board Practical Exams	Practical File submission + practical preparation + Revision and doubt session :			
FEB	CBSE Board Practical Exams	Revision and doubt session :			

CLASS XII C (2026-27) SYLLABUS SUBJECT BIOLOGY (044)

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
APRIL	Unit-VII Genetics and Evolution Unit-VI Reproduction	Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution Chapter-2: Sexual Reproduction in Flowering Plants		Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. Prepare a temporary mount of onion root tip to study mitosis. Mendelian inheritance using seeds of different colour/sizes of any plant	
MAY	Unit-VI Reproduction	Chapter-3: Human Reproduction	Holidays homework- Planning, Designing and conducting an independent research project on a chosen biological	Prepare a temporary mount to observe pollen germination.	
JULY	Unit-IX Biotechnology and its Applications	Chapter-11: Biotechnology - Principles and Processes		Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes,	Bioinformatics analysis: Using online databases to analyze biological data and sequences.

				Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.	
OCT	Unit-X Ecology and Environment	Chapter-14: Ecosystem Chapter-13: Organisms and Populations Chapter-15 Biodiversity and its Conservation		<p>Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).</p> <p>Meiosis in onion bud cell or grasshopper testis through permanent slides.</p> <p>T.S. of blastula through permanent slides (Mammalian)</p>	Designing and implementing educational campaigns on topics like hygiene, nutrition, or common diseases.

				Controlled pollination - emasculation, tagging and bagging.	
NOV	REVISION AND PB-1				
DEC	REVISION AND REMEDIAL				
JAN	PB-2				

ECONOMICS-XII Tentative Syllabus 26-27

<u>Month</u>	Economics Book- 1 Macro Economics Book - 2 Indian Economy
March	Unit-6 Ch.1 Indian Economy on the Eve of Independence Ch.2 Indian Economy (1950-1990)
April	Ch.3 Liberalization, Privatization and Globalization: An Appraisal Unit -7 Current Challenges Facing Indian Economy Ch -4 Human capital formation Ch -5 Employment: Growth, Informalisation and other Issues
May	Pre UT 1 – Revision
July	UT-1 5th July Unit-1 Macro Economics Ch.-1 National Income Ch -2 Aggregates of National Income Ch-3 Measurement of National Income
August	Unit -2 Ch.-4 Money and Banking Unit-3 Ch -5 Government Budget Ch-7 Balance of Payments and Foreign Exchange
September	Term -1 Exam 8th September Unit - 4 Theory of Employment Ch -8 Aggregate Demand and Aggregate supply Ch-9 Equilibrium level of Employment Ch-10 Excess and Deficient Demand
October	INDIAN ECONOMY Ch- 6 Infrastructure Ch -7 Environment and Sustainable Development
November	Ch- 8 Comparative Development Experiences of India and it's Neighbour's Revision

MAY	<p>C) ACCOUNTING RATIOS (CONTINUED) D) CASH FLOW STATEMENT</p> <p><u>PART A- ACCOUNTING FOR PARTNERSHIP FIRMS</u></p> <p>1. FUNDAMENTALS OF PARTNERSHIP</p>	<p>Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)</p> <p>FS with</p> <p>(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.</p> <p>(ii) Bank overdraft and cash credit to be treated as short term borrowings.</p> <p>(iii) Current Investments to be taken as Marketable securities unless otherwise specified.</p>	<p>Prepare format of Cash Flow Statements highlighting with Different colours.</p>	<p>Encourage them to apply the learned concepts to solve these problems step by step.</p>	<p>Show students the Cash Flow Statements of Different Companies via. Annual Report.</p>
JULY	<p>1. FUNDAMENTALS OF PARTNERSHIP (CONTINUED) 2. NATURE AND VALUATION OF GOODWILL RECONSTITUTION OF PARTNERSHIP:- A) CHANGE IN PSR AMONG EXISTING PARTNERS B) ADMISSION OF A PARTNER</p>	<p>Partnership: features, Partnership Deed.</p> <ul style="list-style-type: none"> • Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. • Fixed v/s fluctuating capital accounts. <p>Preparation of Profit and Loss Appropriation account Past adjustments</p> <p>Guarantee of profits.</p> <p>Meaning, Nature, Factors Affecting and Methods of Valuation.</p> <p>Sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities and treatment of reserves, accumulated profits and losses.</p> <p>Preparation of revaluation account and</p>	<p>Prepare a table showing Provisions of the Indian Partnership Act 1932 in the absence of partnership deed.</p> <p>Prepare a quiz by students based on their learning.</p>	<p>Provide students with a variety of problem-solving tasks.</p>	<p>Play Tic Tac Toe to encourage active participation and critical thinking.</p> <p>Provide ample practice exercises and worksheets for students to reinforce their understanding.</p>

		<p>balance sheet.</p> <p>Effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and re-assessment of liabilities, treatment of reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and balance sheet.</p> <p>change in profit sharing ratio, treatment of goodwill (as per AS 26),</p>			
AUG	<p>RECONSTITUTION OF PARTNERSHIP: -</p> <p>C) RETIREMENT OF A PARTNER</p> <p>D) DEATH OF A PARTNER</p>	<p>Effect of retirement / death of a partner on treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and preparation of capital, current account and balance sheet.</p> <p>Preparation of loan account of the retiring partner.</p> <p>Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account.</p>	<p>Flow Chart of Different Treatment at the time of Reconstitution.</p> <p>The opportunity to explain by table how concepts and variables of Reconstitution are related to one another.</p>	<p>Numerical Problems to be solved.</p> <p>Provide students with a variety of problem-solving tasks.</p>	<p>Regularly assess students understanding through quizzes, tasks and assignments.</p> <p>Regularly assess students understanding through quizzes, tasks and assignments.</p>
SEP	REVISION TERM I EXAM				

OCT	<p>E) DISSOLUTION OF A PARTNERSHIP FIRM <u>PART A</u> <u>UNIT 2 - ACCOUNTING FOR COMPANIES</u> ACCOUNTING FOR SHARE CAPITAL</p>	<p>Meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)).</p>	<p>The opportunity to explain by table how concepts and variables are related to one another & causes</p>	<p>Encourage students to solve a variety of problems.</p>	<p>Play games like Tic Tac Toe, interclass quiz to encourage active participation and critical thinking.</p>
NOV	<p>A) ACCOUNTING FOR SHARE CAPITAL (CONTINUED) A) ISSUE OF DEBENTURES PROJECT WORK COMPLETION</p>	<ul style="list-style-type: none"> • Features and types of companies. • Share and share capital: nature and types. • Accounting for share capital: issue and allotment of equity and preference shares. <p>Public subscription of shares - over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash.</p> <ul style="list-style-type: none"> • Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. <p>Accounting treatment of forfeiture and re issue of shares.</p> <ul style="list-style-type: none"> • Disclosure of share capital in the Balance Sheet of a company. <p>Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures (concept of TDS is excluded). Writing off discount / loss on issue of</p>		<p>Encourage them to apply the learned concepts to solve these problems step by step.</p>	

		debentures.			
DEC	Revision & Pre Board 1 Exam				
JAN	Pre Board 2 Exam				

AUG	Organising	<ul style="list-style-type: none"> · Organising: Concept and importance · Organising Process · Structure of organisation- functional and divisional concept. Formal and informal organization – concept · Delegation: concept, elements and importance · Decentralization: concept and importance 	Design Mind maps to memorise	Assessment Sheets	Organisation Chart of Different Business Organisation to understand the flow of Authority and Responsibility.
SEP	Staffing	<ul style="list-style-type: none"> · Staffing: Concept and importance of Staffing · Staffing as a part of Human Resource Management concept · Staffing process · Recruitment process · Selection – process · Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training 			
OCT	Financial Management and Financial Markets	<ul style="list-style-type: none"> · Financial Management: Concept, role and objectives · Financial decisions: investment, financing and dividend - Meaning and factors affecting. · Financial Planning - concept and importance · Capital Structure – concept and factors affecting capital structure · Fixed and Working Capital - Concept and factors affecting their requirements. · Financial Markets: Concept Money Market: Concept · Capital market and its types (primary and secondary) · Stock Exchange - Functions and trading procedure · Securities and Exchange Board of India (SEBI) - objectives and functions 	Line graph to show fluctuations in price.	students examine real-world Companies, analyze and design their own portfolio. Numerical Problems to solved	Stock Market Simulation

NOV	Directing	<ul style="list-style-type: none"> · Directing: Concept and importance · Elements of Directing · Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives · Leadership - concept, styles - authoritative, democratic and laissez faire · Communication - concept, formal and informal communication; barriers to effective communication, how to overcome the barriers? 		Assessment Sheets	<p>Skit involving Barriers to effective Communication</p>
	Revision & Pre Board 1 Exams				
JAN	Pre Board 2 Exams				

SYLLABUS FOR THE ACADEMIC YEAR: 2026-2027

SUBJECT: PSYCHOLOGY CLASS XII

MONTH	UNIT	TOPICS TO BE COVERED	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
APR	-Unit 1: Variations in Psychological Attributes.	1. Introduction 2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes 4. Intelligence 5. Psychometric Theories of Intelligence, Information Processing Theory: Planning, Attention- arousal and Simultaneous successive Model of Intelligence, Triarchic Theory of Intelligence; Theory of Multiple Intelligences. 6. Individual Differences in Intelligence 7. Culture and Intelligence 8. Emotional Intelligence 9. Special Abilities: Aptitude: Nature and Measurement 10.Creativity	- Experiential Activity	-Introduction to Psychological testing.	-Introduction to Case Study

	-Unit 2: Self and Personality.	<p>Introduction</p> <ol style="list-style-type: none"> 1. Self and Personality 2. Concept of Self 3. Cognitive and Behavioural aspects of Self 4. Culture and Self 5. Concept of Personality 6. Major Approaches to the Study of Personality 			
MAY	-Unit 2: Self and Personality	<ol style="list-style-type: none"> 8. Assessment of Personality <ul style="list-style-type: none"> <input type="checkbox"/> Self-report Measures <input type="checkbox"/> Projective Techniques <input type="checkbox"/> Behavioural Analysis 	-Poster making	- Practical 1: Raven's Progressive Matrices.	-Case Subject Selection and data collection.

	-Unit 3: Meeting Life's challenges.	1. Introduction 2. Nature, Types and Sources of Stress 3. Effects of Stress on Psychological Functioning and Health <input type="checkbox"/> Stress and Health General Adaptation Syndrome <input type="checkbox"/> Stress and Immune System <input type="checkbox"/> Lifestyle 4. Coping with Stress <input type="checkbox"/> Stress Management Techniques 5. Promoting Positive Health and Well-being <input type="checkbox"/> Life Skills Positive Health <input type="checkbox"/>			
JUL	-Unit 4: Psychological Disorders	1. Introduction 2. Concepts of Abnormality and Psychological Disorders	-Video Presentation of various disorders.	-Practical 2: Maudsley Personality Inventory	-Case Study work

		<input type="checkbox"/> Historical Background 3. Classification of Psychological Disorders 4. Factors Underlying Abnormal Behaviour 5. Major Psychological Disorders <input type="checkbox"/> Anxiety Disorders <input type="checkbox"/> Obsessive- Compulsive and Related Disorders <input type="checkbox"/> Trauma-and Stressor-Related Disorders <input type="checkbox"/> Somatic Symptom and Related Disorders <input type="checkbox"/> Dissociative Disorders <input type="checkbox"/> Depressive Disorder Bipolar and Related Disorders Schizophrenia Spectrum and Other Psychotic Disorders <input type="checkbox"/> Neurodevelopmental Disorders <input type="checkbox"/> Disruptive, Impulse-Control and Conduct Disorders <input type="checkbox"/> Feeding and Eating Disorders <input type="checkbox"/> Substance Related and Addictive Disorders			
AUG	-Unit 5: Therapeutic Approaches	1. Nature and Process of psychotherapy <input type="checkbox"/> Therapeutic relationship 2. Types of Therapies <input type="checkbox"/> Behaviour Therapy <input type="checkbox"/> Cognitive Therapy <input type="checkbox"/> Humanistic- Existential Therapy <input type="checkbox"/> Alternative Therapies <input type="checkbox"/> Factors contributing to healing in Psychotherapy <input type="checkbox"/> Ethics in Psychotherapy 3. Rehabilitation of the Mentally Ill		-Practical 3: Sinha's comprehensive Anxiety Scale.	-Role play of various therapies and techniques.

SEP	-Half yearly Examinations	Revision			
OCT	-Unit 6: Attitude and Social Cognition	1. Introduction 2. Explaining Social Behaviour 3. Nature and Components of Attitudes 4. Attitude Formation and Change <input type="checkbox"/> Attitude Formation <input type="checkbox"/> Attitude Change Attitude-Behaviour Relationship 5. Prejudice and Discrimination 6. Strategies for Handling Prejudice		Practical 4: Sodhi's Attitude Scale	-Case study review
NOV	Unit 7: Social Influence and Group processes	1. Introduction 2. Nature and Formation of Groups 3. Type of Groups 4. Influence of Group on Individual Behaviour <input type="checkbox"/> Social Loafing Group <input type="checkbox"/> Polarization		Practical 5: Self Concept Scale	-Final case profile review and Interview
Dec	Pre Board exam				

CLASS XII – SOCIOLOGY - YEARLY PLANNER - 2026-27

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
MARCH	BOOK 1 – CHAPTER 2	THE DEMOGRAPHIC STRUCTURE OF THE INDIAN SOCIETY			WORKSHEETS

APRIL	BOOK 1 – CHAPTER 3 CHAPT ER 5	SOCIAL INSTITUTIONS: CONTINUITY AND CHANGES PATTERN OF SOCIAL INEQUALITY	GROUP WORK – PPT PRESENTATION ON SOCIAL INEQUALITY	NEWSPAPER ACTIVITY	DEBATE NEWS HEADLINE READING WORKSHEET ASSIGNMENT
MAY	BOOK 1 – CHAPTER 5 (CONTINUED) CHAPTER 6 BOARD PRACTIC AL - PROJECT ON SOCIAL ISSUE	PATTERN OF SOCIAL INEQUALITY THE CHALLENGES OF CULTURAL DIVERSITY SELECTION OF TOPIC FOR PROJECT	PROJECT ON SOCIAL ISSUE PROVIDING WITH THE GUIDELINES OF THE PROJECT	CHOOSING A TOPIC ON SOCIAL ISSUE FOR THE PROJECT HYPOTHESIS AND INTRODUCTION OF THE PROJECT	ROLE PLAY DISCUSSION DEBATE WORKSHEET ASSIGNMENT
JULY	BOOK 2 - CHAPTER 1 CHAPTER 2	STRUCTURAL CHANGE CULTURAL CHANGE	PPT PRESENTATION ON THE STRUCTURAL CHANGES IN RURAL AND URBAN SOCIETY	CHECKI NG THE PROJECT	NEWS HEADLINE READING DISCUSSION DEBATE WORKSHEET ASSIGNMENT

AUGUST	BOOK – 2 CHAPTER – 4 CHAPTER – 5	CHANGE AND DEVELOPMENT IN RURAL SOCIETY CHANGE AND DEVELOPMENT IN INDUSTRIAL SOCIETY			DEBATE WORKSHEET ASSIGNMENT DISCUSSION ON NEWS PAPER ARTICLES
SEPTEMBER	BOOK 2 – CHAPTER 8	SOCIAL MOVEMENT		MOCK PROJECT PRESENTATION & VIVA	HALF YEARLY EXAM
OCTOBER	BOOK 2 – CHAPTER 8 (CONTD)	SOCIAL MOVEMENT (CONTD.)			NEWS HEADLINE READING WORKSHEET REVISION TEST
NOVEMBER	PRE-BOARDS				
DECEMBER	PRE-BOARDS				
JANUARY	BOARD PRACTICALS				
FEBRUARY	BOARD EXAM				

SUBJECT – Political Science XII (028)

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
April	Book 1 Ch 1,2	1. The End of Bipolarity 2. Contemporary Centres of Power	PPT	Individual submission of PPT on Contemporary Centres of Power	Documentary Screening on the background of Bipolarity
May	Book 1 Ch 3,4	3. Contemporary South Asia 4. International Organizations	Small skit on relevance of UN and SAARC		Peer Teaching and Reviewing
June				Selection of Topic for Board Submission of Projects	
July	Book 1 Ch 5,6	5. Security in the Contemporary World 6. Environment and Natural Resources	Case Study of India's Challenges in context to Non-Traditional threats to Security	Group Project on Security- Traditional and Non Traditional or Environmental Movements and Concerns	Debate and Discussion on asymmetric and proxy warfare
August	Book 1 Ch 7 Book 2 Ch 1,2	7. Globalization 1. Challenges of Nation Building 2. Era of One Party Dominance			MUN
September	Book 2 Ch 3,4&5	3. Politics of Planned Development 4. India's External Relations 5. Challenges and Restoration of the Congress System	Role Play as Foreign Delegates/Ambassadors/High Commissioners		MUN
October	Book 2 Ch 6	6. The Crisis of Democratic Order	Political Cartoons		Mock Parliament Session

November	Book 2 Ch 7,8	7. Regional Aspirations 8. Recent Development in Indian Politics	Performance Art involving enactment of Political Speeches	Final Submission and Review of Boards Project File	Political Campaign Simulation
December				Mock Practical	
January				Final Boards Practical	

GAMES , SPORTS AND FITNESS

MONTH	UNIT	TOPICS	ART INTEGRATION ACTIVITY	PRACTICALS	SUBJECT ENRICHMENT ACTIVITY
April and May	<p>1st week - General motor fitness drills.</p> <p>2nd week - Mass PT for co-ordination</p> <p>3rd week - strength and flexibility.</p>	<p>1. Warming up 2. Continuous run/walk. 3. Free hand exercises in group</p> <p>1. Warming up 2. Free hand exercises for mobility 3. Four exercises will be practiced in 16 counts each.</p> <p>1. Body weight exercises for upper body strength.</p>	N/A	N/A	N/A

	4th week - Free play.	<p>a. Pushups with modification for boys and girls. b. Plank, V Position hold for Core strength.</p> <p>2. Dynamic and Static stretching exercises for upper and lower body.</p> <p>Football Basket ball Badminton Self game</p>			
July	<p>1st week - General motor fitness drills.</p> <p>2nd week - Mass PT for coordination</p> <p>3rd week - speed, agility.</p> <p>4th week Free play</p>	<p>1. Running/jogging(15 mins)</p> <p>2. Slowfast run/walk.</p> <p>3. Free hand exercises/calisthenics.</p> <p>1. Warming up</p> <p>2. Free hand exercises.</p> <p>3. Six exercises will be practiced in groups, supervised by teacher and student leaders.</p> <p>1. Warming up</p> <p>2. Free hand exercises.</p> <p>3. 50 mts, 80 mts sprints with repetitions.</p> <p>Football Basketball Badminton Self game</p>			

August	<p>1st week - General and specific motor fitness drills.</p> <p>2nd week - March past practice.</p> <p>3rd week - Indigenous game, kho kho</p> <p>4th week - Game play</p>	<p>Running, jumping and shuffling drills on hurdles and cones.</p> <ol style="list-style-type: none"> 1. Standing in file formation 2. Marching on the spot. 3. About turn practice. 4. Quarter turn right and left. <p>Teaching rules and regulations kho kho with game play. Basketball Football Badminton Self game</p>			
September	<p>1st week - Evaluation</p> <p>2nd and 3rd week - Term 1 exams</p> <p>4th week - Free play</p>	<p>Fitness test Viva</p> <p>Term 1 Exams</p> <p>Football Basketball Volleyball Badminton</p>			

October	1st and 2nd week Mass PT March past 3rd and 4th week Free play	1.Exercise 1 to 8. practice in one group supervised by student leader and teacher. 2.Marching on the spot. 3.Forward march. 4.practice for arm actions. Football Basketball Badminton Dodgeball			
November	RBCL	RBCL			
December	RBCL	RBCL			
January	1st week and 2nd week 3rd week - Group fitness drills 4th week - Free play	Winter break 1.Shuttle Run. 2.Push ups 3.Sit ups Football Basketball Badminton			
February	Evaluation	Fitness test Viva			