

ANNUAL CURRICULUM PLAN (2026-27)

CLASS XII

BIOLOGY

S.No	UT/ TERM	TASK	MARKS	Learning Objectives	Learning Outcomes	Methodology	Skills to be developed
1.	UT-1	Sexual Reproduction in flowering plants, Human Reproduction	30	Small tests help children to be thorough in their syllabus. *Students imbibe scientific knowledge, regularity, punctuality and discipline. *Understand fundamental concepts develop, Cognitive thinking. * Solve very simple numericals based on concept Relate/connect classroom learning to everyday life situations and understanding of content taught and reinforcement	Understood the various ways of asexual and sexual reproduction in plants Analyse and interpret the role of different hormones in the life span of the organism. Understand about clones, identical and non identical twins Consider the evolutionary advantages of the genetic variation that comes from sexual reproduction	Pen Paper test which includes questions based on real life situations, numericals, interpreting given data, definitions, value based questions, Multiple choice questions based on key concepts are given to students to assess their learning Paper pen test which includes questions based on real life situations, interpreting given data.	Allows students ideas quickly and spontaneously. Critical thinking Creative thinking Stress management Time management Analytical ability Memory retention

2.	Comprehensive Exam	Sexual Reproduction in flowering plants, Reproductive health, Human Reproduction, Principles of Inheritance and Variations	30	Small tests help children to be thorough in their syllabus. *Students imbibe scientific knowledge, regularity, punctuality and discipline. *Understand fundamental concepts develop, Cognitive thinking. * Solve very simple numericals based on concept Relate/connect classroom learning to everyday life situations and understanding of content taught and reinforcement	After exam students will be able to: * Assess their knowledge retention. * Develop critical thinking and problem-solving skills. * Improve time management * Identify areas for improvement. *Build confidence in their abilities. *Develop effective test-taking strategies.	Pen Paper test which includes questions based on real life situations, numericals, interpreting given data, definitions, value based questions, Multiple choice questions based on key concepts are given to students to assess their learning Paper pen test which includes questions based on real life situations, interpreting given data.	Allows students ideas quickly and spontaneously. Critical thinking Creative thinking Stress management Time management Analytical ability Memory retention
3	UT -2	Molecular Basis of Inheritance, Principles of Inheritance and Variations	30	Small tests help children to be thorough in their syllabus. *Students imbibe scientific knowledge, regularity, punctuality and discipline. *Understand fundamental concepts develop, Cognitive thinking. * Solve very simple numericals based	After exam students will be able to: * Assess their knowledge retention. * Develop critical thinking and problem-solving skills. * Improve time management * Identify areas for improvement.	Pen Paper test which includes questions based on real life situations, numericals, interpreting given data, definitions, value based questions, Multiple choice questions based on key concepts are given to	Allows students ideas quickly and spontaneously. Critical thinking Creative thinking Stress management Time management Analytical ability

				on concept Relate/connect classroom learning to everyday life situations and understanding of content taught and reinforcement	*Build confidence in their abilities. *Develop effective test-taking strategies.	students to assess their learning Paper pen test which includes questions based on real life situations, interpreting given data.	Memory retention
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		Reproductive Health		•To enable learner to learn different STDs- their causative organism, prevention and cure. •To acquire knowledge about condoms, oral pills, surgical methods of birth control •Natural methods of birth control •To have basic knowledge about MTP. •To have basic elementary knowledge about IVF, GIFT, ZIFT.	logical thinking. To enumerate the applications of Assisted Reproduction Technologies which assist infertile couples to have children To make them aware of overcome population leads to population explosion To make them aware of the different ways to have sound reproductive health	•Lecture method •Discussion method •Demonstration method	
		Principles of Inheritance and Variations		Students will be able to understand: •Importance of genetics •Difference in phenotype and genotype •Appreciate the beauty of living system and genes	Students will inculcate the applications of Assisted Reproduction Technologies which assist infertile couples to have children.	•Lecture method •Discussion method •Demonstration method	Comprehending interpreting infor identify main poi listening skills O skills ,Reasoning

		Molecular Basis Of Inheritance	•Appreciate the contribution of different scientists. •Importance of transmission of characters •Genetic disorders •Work out monohybrid and dihybrid cross. •State the law of inheritance •State chromosomal theory •Explain linkage and crossing over •Work out Pedigree analysis •Reason out why genetic disorders are caused and state their symptoms. Students will be able to: •Value the contribution of different scientists, geneticts who discovered various phenomena.	Students will be educated regarding developments to overcome population explosion, Students have learnt to Illustrate the monohybrid and dihybrid crosses. Analyze and infer the cause of blood groups and its importance during blood transfusion. Understand the importance of blood donation, use of blood bank separation of various blood components. Apply	•Lecture method •Discussion method •Demonstration method	Comprehending interpreting infor identify main poi listening skills O skills ,Reasoning
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		Organisms and Population	•Understand how society benefitted from the principles of genetics. •Appreciate the advancements in biology like genome project, DNA fingerprinting. •Draw the structure of DNA & RNA •State the central dogma of molecular biology •Draw structure of nucleosome •Describe the process of replication, transcription, translation •List the salient features of HGP •Explain the methods used in genome sequencing. Students will be able to: •Acquire basic knowledge about population attributes •Know biotic and abiotic factors	quantitative problem solving skills to genetics problems and issues. Relate the chromosomal abbreviations with real life situation. The students will understand the importance of DNA in all activities The students learnt how DNA To determine population density and frequency by quadrat method. Adaptation of	•Lecture method •Discussion method •Demonstration method	Comprehending interpreting information identify main points listening skills Observation skills ,Reasoning Comprehending interpreting information identify main points listening skills Observation skills ,Reasoning
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		Ecosystem	•Develop scientific attitude •Develop respect for living world •Ecological levels of organization •Growth models •Age pyramids •Population interactions Students will be able to: •Acquire basic knowledge of ecosystem •Know various components of ecosystem •Develop scientific attitude •Develop respect for living world- microbes •Functioning of ecosystem •Primary & secondary productivity •Different ecosystems •Food chain and food web •Energy flow& type of pyramids	xerophytic and aquatic plants and animals To study the suspended particulate matter in air at two different sites. To study pH, clarity and presence of living organism in water.	•Lecture method •Discussion method •Demonstration method	Comprehending interpreting information identify main points listening skills Observation skills ,Reasoning
		Biodiversity and its				

		Conservation		Students will be able to: •Acquire basic knowledge of biodiversity •Know various causes for the loss of biodiversity and its conservation •Develop scientific attitude •Develop respect for living world •Develop love for nature •Different levels of biodiversity •Species distribution and species richness •Ex situ and in situ conservation		•Lecture method •Discussion method •Demonstration method	
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	MOCK EXAM (FULL SYLLABUS) PREBOARD(FULL SYLLABUS)	Evolution	70	Students will be able to: •Value the contribution of different scientists who discovered various phenomenon •Understand the various evidences of biological evolution •Develop scientific attitude •Develop critical thinking •Define variations, evolution, population, natural selection •Compare and contrast the theories of Lamarck and Darwin •Explain the mechanism of evolution	Study of analogous and homologous organ in various plants and animals	•Lecture method •Discussion method •Demonstration method	Comprehend, interpreting information, identify main ideas, listening skills, Oral skills ,Reasoning
		Human Health and Diseases		Students will be able to: •Understand the concept of disease •Understand the importance of clean and healthy surroundings •Understand the importance of vaccines and immune system	To visit a Dairy Farm to observe and understand more on dairy farming Video on tissue culture to save exotic plants	•Lecture method •Discussion method •Demonstration method	Comprehend, interpreting information, identify main ideas, listening skills, Oral skills ,Reasoning

				•Appreciate the contribution of scientists and doctors in medicine •Develop scientific attitude •Define disease, health, pathogens, immunization, vaccination •Understand innate and acquired immunity •Understand active and passive immunity •State the differences between primary and secondary response, acute and chronic diseases, •State causative organisms of- malaria, typhoid, pneumonia, filariasis, common cold, elephantiasis, amoebiasis, ringworm •Define antibiotics •State the modes of transmission of diseases •State general and specific modes of prevention of disease.	To observe the permanent slides of disease causing organisms like Acaris, Ent amoeba, Plasmodium, Round worm and write the symptoms of the disease. To visit sewage treatment plant to observe and understand about the primary and secondary treatment using microbes.		Comprehend, interpreting info identify main
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		Microbes in human welfare.		Students will be able to: •Acquire basic knowledge about microbes in production of household products •Know microbes of industrial importance •Develop scientific attitude •Develop respect for living world- microbes •Role of microbes in household and industrial products •Importance of microbes in sewage treatment •Know microbes used in biogas production, antibiotic production •Bio control agents •Bio fertilizers		•Lecture method •Discussion method •Demonstration method	listening skills O skills ,Reasoni Comprehending interpreting infor identify main poi listening skills O skills ,Reasoning
		Biotechnology Principles and Processes		Students will be able to: •Understand the meaning of biotechnology •Value the contribution of genetic engineers who		•Lecture method •Discussion method •Demonstration method	

				discovered various processes •Develop scientific attitude •Define biotechnology •List the tools of Recombinant DNA technology •Differentiate between restriction endonucleases and exonucleases •Understand naming of Restriction endonucleases •Understand palliandromic sequences •Understand gel electrophoresis •Understand selectable markers •Illustrate the PCR technique •State the various methods of making the host competent			Comprehending interpreting infor identify main poi listening skills O skills ,Reasoning
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		Biotechnology and its application		Students will be able to: •Understand biotechnology basics •State tools of biotechnology •Value the contribution of genetic engineers who discovered various processes •Know microbes of industrial importance •Develop scientific attitude •Define biotechnology •Gene therapy (ADA Defeciency) •Understand general procedure used to make transgenic plants and animals- Bt cotton, golden rice, rosie cow		•Lecture method •Discussion method •Demonstration method	
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RAMJAS PUBLIC SCHOOL
ANNUAL CURRICULUM PLAN
SESSION (2026-2027)

CLASS: XII

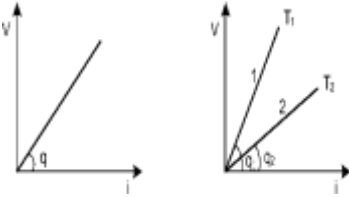
SUBJECT: PHYSICS

Month	Theme/ Sub-theme	Learning Objectives		Activities & Methodology	Expected Learning Outcomes	Assessment
		Content Specific	Application based			
March 2026	Electrostatics Electric Charges; Conservation of charge, Coulomb's law force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly	Student will be able to Understand the concept of charge Understand concept of electrostatic force and field. State the Coulomb's law of electrostatic force. Understand the concept potential. Understand the concept of capacitor. Understand the electric dipole and electric field due to an electric dipole. Understand the electric potential and potential	Students will be able to.. Apply the concept of static electricity in selection of cloths as per the weather conditions By using the concept of electrostatics students can protect themselves from lightning. Distinguish between parallel plate and Cylindrical capacitors Apply the concept of charging to charge any conductor at home.	Teacher will start the topic by asking the following questions related to the previous knowledge When we take off our synthetic shirts or nylon sweaters a spark is produced. Why? By rubbing palms we experience a different feeling. Why? Why does the mustard seeds adhere to the walls of the polythene bag If an electrically charged rod is brought near normal flow of water from a tap, the flow gets slightly diverted towards the rod. Why? Now according to the response of the students explanation of the topic will be started through lecture method the concept of force and electric field will be explained. By demonstrating the activity of charging polythene and glass rod by rubbing to each other the types of	Students have learned The concept electrostatic force and field The application of torque in rotating a dipole Energy of a capacitor and uses of capacitor in different appliances. The applications of Gauss's theorem Drawing the electric field lines and presence of electric field.	Students will be assessed on the basis of their observation and accuracy skills

	charged thin spherical shell (field inside and outside). Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and	gradient. Understand the potential energy and torque due to an electric dipole.		charges and property of attraction of two unlike charges will be explained. By lecture method concept of potential and electric field will be explained. Using regulators of a fan the construction and working of capacitors will be discussed. Assignment questions... 1. Plotting of graph showing the variation of Coulomb force versus distance between two similar and two dissimilar		
	insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarisation, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor.			charges. How you can charge a metal sphere negatively without touching ? Drawing of electric field lines around the charges. Applications of Gauss's theorem. Numerical questions on capacitors.		

APRIL MAY 2026	Current electricity Electric current,flow of electric charges in a metallic conductor, driftvelocity, mobility and their relation with electric current; Ohm’s law, electrical resistance,	Student will be able to Understand the concept ofelectric current and potential difference . Understand the differencebetween drift velocity and mobility of electrons in a conductor. State the Ohm’s law understand]] the Ohmic conductor. Understand the concept ofelectric power, electrical resistivity and	Apply the concept of current and potential difference on measuring the resistance of conductor /electrical appliances at home. Apply the concept	i) First of all teacher will ask the questions based on their previous knowledge. The teacher will explain the electric current its uses and he electrical appliances which draw more or less current inaccordance with their resistance. <i>Ampere:</i> of current means theflow of electrons/sec through any		Students will be asses on the basis of their observatio n and accuracy skills
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	Current Electricity (Cont.) V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity. Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and simple applications.	conductivity. Understand the difference between resistance and resistivity. Understand the colour coding in carbon resistor and the dependence of internal resistance of a cell on its temperature. Understand the concept of combination of resistances the difference between emf and potential difference. State the Kirchhoff's voltage and current law. Understand principle of wheatstone bridge and potentiometer.	mobility of electrons in calculating the drift velocity in different conductors and alloy. Student will be able to plot the graph between the V and I and then they will calculate the resistance of conductor by the slope of same graph. Apply the concept for electrical power and energy to calculate the electricity bill of their home, factory or offices. Apply the concept of series and parallel combination of resistances if desired	cross-section of the conductor The conventional direction of current is taken to be the direction of flow of positive charge, i.e. field and is opposite to the direction of flow of negative charge as shown below. The net charge in a current carrying conductor is zero. For a given conductor current does not change with change in cross-sectional area. In the following figure ii) The teacher will explain the graph between V and I, and will explain them the calculation of R by the slope of graph. law is not a universal law, the substances, which obey ohm's		
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	Wheatstone bridge, metre bridge. Potentiometer principle and its applications to measure potential difference and for comparing emf of two cells; measurement of internal resistance of a cell.		law are known as ohmic nce. Graph between V and i for a metallic conductor is a straight line as shown. At different temperatures V-i curves are different.  Class room Activites : i. Teacher will demonstrate the emf of a cell purchased from market. i. Teacher will demonstrate the how student will calculate the total no. Of electrons in 1 kg water.. i. Teacher will show the electrolyte used in different cell which is being used in laboratory. Lab activities : i. Measurement of unknown resistance by wheat stone bridge. i. Measurement of specific resistance by wheat stone bridge. i. Comparison of		
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				emf of two primary cell using potentiometer. .Measurement of internal resistance of cell using potentiometer.		
July,2026	Magnetic effect of current and Magnetism Electromagnetic Induction Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids, Force on a moving charge in uniform magnetic and electric fields. Cyclotron. Force on a current-carrying conductor in a uniform	Student will be able to Understand the concept of magnetic field and Oersted experiment . State the Biot savart's law. State the Ampere's law. Understand the force on a moving charge in uniform magnetic and electric fields. Understand the principle of cyclotron and its working. Understand the force on a current-carrying conductor in a uniform magnetic field. Understand force between two parallel current-carrying	Apply the concept of Biot savart's law in calculating the magnetic field due to current carrying circular loop and straight conductor. Apply the Ampere's law to calculate the magnetic field due to infinitely long straight wire, straight and toroidal solenoids's Student will be able to plot the graph between the B and r . Apply the concept Cyclotron in solving the numerical. Apply the	Class room Activities : iv. Teacher will demonstrate the presence of magnetic field due to current carrying conductor. . Teacher will demonstrate the force experience by current carrying conductor placed in uniform magnetic field. i. Teacher will demonstrate the model of galvanometer in the class. i. The teacher will demonstrate the magnetic lines of force due to a bar magnet in the class . i. The teacher will demonstrate the magnetic lines of force due to a bar magnet in the class. . The teacher will demonstrate the solenoid and its magnetic poles in the class . Lab activities or Project v. Measurement of	The concept of magnetic field and Oersted experiment . Statement the Biot savart's law. Statement the Ampere's law. Statement of the force on a moving charge in uniform magnetic and electric fields. Statement of the principle of cyclotron and its working. The force on a current-carrying conductor in a uniform magnetic field. The force between two parallel current-carrying conductors definition of ampere. The torque experienced by a current loop in uniform magnetic field .	Students will be assessed on the basis of their observation and accuracy skills

		conductorsdefinition of ampere. Understand the torque experienced by a current loop in uniform magneticfield . Understand the moving coil galvanometerits current sensitivity and conversion to ammeter and voltmeter . Know the Current loop				
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	magnetic field. Force between two parallel current-carrying conductors- definition of ampere. Torque experienced by a current loop in uniform magnetic field; moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter. Current loop as a magnetic dipole and its magnetic dipole moment. Magnetic dipole moment of a revolving electron. Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements. Para-, dia- and ferro magnetic substances, with examples. Electromagnets and factors affecting their strengths. Permanent magnets.	as a magnetic dipole and its magnetic dipole moment. Magnetic dipole moment of a revolving electron. Understand the magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis . Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; magnetic elements. Para-, dia- and ferro - magnetic substances, with examples. magnet and factors affecting their strengths. Permanent magnets.	concept of force on a current carrying conductor in d.c motor . Apply the concept of torque experienced by a current loop in uniform magnetic field on moving type galvanometer. Student will be able to calculate the current and voltage sensitivity of moving coil galvanometer. Students will be able to calculate the torque on a magnet placed in uniform magnetic field. Students will be able to differentiate between permanent	magnetic moment of bar magnet . Reduction factor of tangent galvanometer. Magnetic field intensity of n number of turns of the coil used in T.G.	The moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter . The Current loop as a magnetic dipole and its magnetic dipole moment. Magnetic dipole moment of a revolving electron. The magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis . The Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; The Para-, dia- and ferro magnetic substances, with examples. magnet and factors affecting their strengths. Permanent magnets.	Students will be assessed on the basis of their observation and accuracy skills
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JULY 2026	Electromagneticinduction and AC Faraday’s laws, induced emf andcurrent; Lenz’s Law, Eddy currents. Self and mutualinduction. Alternating currents, peak and rms value ofalternating current/voltage; reactance and impedance; LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits wattless current. AC generator and transformer		magnet and temperory magnet byobserving area of Hysteresis curve.	Electromagnet exp to measure the frequency of ac supply		Students will be asses on the basis of their observation and accuracy skills
AUGUST.2026	Wave optics Wave optics: Wave front & Huygen's principle, reflection and refraction of plane wave at aplane surface using wave refraction usingHuygen's principle. Interference, Young's double slit experiment and expression for fringe width, coherent sourcesand sustained interference of light. Diffraction due to a single slit, width of central maximum.		Apply the concept of refraction in finding the refractive index of a glass slab with the help of possible . Application	Thickness of thread and hair using diffraction		

SEPT 2026	Ray optics Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lensmaker's formula. Magnification, power of a lens, combination of thin lenses in contact, combination of a lens and a mirror. Refraction and dispersion of light through a prism. Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset. Optical instruments: Human eye, image formation & accommodation, correction of eye defects (myopia, hypermetropia) using lenses. fronts. Proof of laws of reflection and Microscopes and astronomical telescopes (reflecting & refracting) and their magnifying powers.	Understand the concept of reflection of light, spherical mirrors, mirror formula. Understand the Refraction of light, total internal reflection. State the laws of reflection and refraction.. Understand the refraction at spherical surfaces, lenses, thin lens formula, lensmaker's formula. Understand the magnification, power of a lens, combination of thin lenses in contact, combination of a lens and a mirror. Understand the Refraction and dispersion of light through a prism.	the concept of TIR in cable used in computers and transmission of Data. Student will be able to apply the refraction of light in sound. Student will be able to apply the concept of focal length to calculate the focal length of combination of lenses. - Students can construct the astronomical telescope of desired magnification using the concept of angular magnification	Lab Activities: Focal length of convex lens. Focal length of concave mirror. Focal length of convex mirror using convex lens. Focal length of concave lens using convex lens	The concept of reflection of light, spherical mirrors, mirror formula. Statement of Refraction of light, total internal reflection. the the refraction at spherical surfaces, lenses, thin lens formula, lensmaker's formula. magnification, power of a lens, combination of thin lenses in contact, combination of a lens and a mirror. the microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. Students will be able to calculate the focal length of their father's convex lens.	Students will be assessed on the basis of their observation and accuracy skills
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	Optics(cont.) Resolving power of microscopes and astronomical telescope.	Understand the Scattering of light blue colour of sky and reddish appearance of the sun at sunrise and sunset . Understand the Human eye, image formation and accommodation, correction of eye defects (myopia, hypermetropia) using lenses. Understand the microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.				Students will be assessed on the basis of their observation and accuracy skills
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OCTOBER- NOVEMBER 2026	Dual nature of matter and EMWaves. Dual nature of radiation. Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Matter waves- wave nature of particles, de Broglie relation. Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained). Atom and Nuclei Atom and Nuclei (Cont.) Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity- alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission,	Understand the concept of photoelectric effect. Understand the threshold frequency. State the laws of photoelectric effect. Understand the Rutherford experiment Understand the Bohr model, energy levels, hydrogen spectrum. State the laws of photoelectric effect. Understand the n type and p type	Students can applying the scattering of light concept in day to day life conditions Apply the concept of dual nature in day to day life	Gold leaf electroscope		Students will be assessed on the basis of their observation and accuracy skills
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	Electronic devices Energy bands in solids (Qualitative ideas only) conductor, insulator and semiconductor; semiconductor diode – I-V characteristics in forward and reverse bias, diode as a rectifier	semiconductor diode Understand the energy band gap in conductor, semiconductor and insulator		Lab Activities Characteristic of PN junction diode.		
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CURRICULUM PLAN (2026-2027)

SUBJECT: COMPUTER SCIENCE

CLASS: XII

Sno	UT/ TERM	Task	Marks	Learning Objectives	Methodology	Learning Outcome	Assessment Tools
1	UT I	REVISION OF PYTHON BASICS FUNCTIONS	30	Computational Thinking and Programming Revision of Python topics covered in Class XI. Functions	LECTURE METHOD, INTERACTIVE METHOD, READING AND ANALYSING THE INFORMATION, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES	Students will revise core Python concepts (variables, loops, conditionals) and demonstrate proficiency in writing reusable functions (parameters, return values, scope).	Quick coding quizzes and live exercises for formative checks, and evaluate with a summative project (e.g., a function-driven program) and a debugging test.
2	COMP. TEST	DATA FILE HANDLING	30	Introduction to files, types of files (Text file, Binary file, CSV file)	READING AND ANALYSING THE INFORMATION, LECTURE METHOD, INTERACTIVE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES	Students will understand file operations (read/write/append) in Python and handle different file formats (text, CSV).	Use short coding tasks (e.g., reading a CSV, writing to a log file) for quick checks and assess with a project (e.g., student gradebook manager). Include debugging exercises and self-assessment via file-handling reflections.
3	UT II	DATA STRUCTURE IN PYTHON (STACK) INTRODUCTION TO RDBMS MYSQL INTRODUCTION MYSQL QUERIES	30	Stacks (Push and Pop Operations) Database Management Database concepts Relational data model Structured Query Language 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	LECTURE METHOD, INTERACTIVE METHOD, READING AND ANALYSING THE INFORMATION, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES	Students will understand stack operations (LIFO: push, pop, peek) and implement them using Python lists. They will apply stacks to solve real-world problems (e.g., undo/redo, parenthesis matching). Students will write basic to intermediate SQL queries (SELECT, INSERT, UPDATE, DELETE) and use clauses (WHERE, GROUP BY, JOIN).	Use coding drills (e.g., reverse a string using a stack) for practice and evaluate with a project Run quick query challenges (e.g., filter students by grade) and assess with a database project

				key), drop table, insert, delete, select, operators (mathematical, relational and logical) update command, delete command, aggregate functions (max, min, avg, sum, count) group by, having clause,			
4	TERM 1	Syllabus of UT I + UT II +COMPREHENSIVE TEST + SQL JOINS & UNION PYTHON-MYSQL CONNECTIVITY (Practical Based on Python)	Th. 70 Pr. 30 Tot 100	Joins: cartesian product on two tables, equi-join and natural join Python-MySQL Connectivity	LECTURE METHOD, READING AND ANALYSING THE INFORMATION, DISCUSSION METHOD, BRAIN-STORMING METHOD, DISCUSSIONS OF THE QUESTIONS FROM SMART BOARD.	Students will master different types of SQL joins (INNER) and UNION operations to combine datasets efficiently. Students will learn to connect Python with MySQL using libraries like mysql-connector or py mysql, and perform CRUD operations (Create, Read, Update, Delete) programmatically.	Use targeted query-writing exercises (e.g., join customer and orders tables) for practice and evaluate with a case study project (e.g., sales report generation). Assign small scripting tasks (e.g., fetch and display records) for practice and assess with a mini-project (e.g., student record management system).
5	MOCK EXAM	<u>FULL SYLLABUS (All Syllabus till Term 1 +COMPUTER NETWORKS)</u>	Th. 70 Pr. 30 Tot 100	Unit II: Computer Networks Evolution of networking Data communication terminologies Transmission media Network devices Network topologies and Network types Network protocol Introduction to web services	READING AND ANALYSING THE INFORMATION, LECTURE METHOD, DISCUSSION METHOD, BRAIN-STORMING METHOD, DISCUSSIONS OF THE QUESTIONS FROM SMART BOARD.	Students will understand fundamental networking concepts (protocols, topologies, OSI/TCP-IP models) and analyze network communication (IP addressing, routing, DNS).	Use diagram-based quizzes (e.g., label OSI layers) and packet analysis tasks (Wireshark) for formative checks. Evaluate with a case study (e.g., design a LAN setup) or troubleshooting scenarios.
6	PREBOARD	(Project and Practical based on Python , SQL) FULL SYLLABUS	70				

CURRICULUM PLAN (2026-2027)

SUBJECT: CHEMISTRY

CLASS: XII

Sno .	UT/ TERM	Task	Marks	Learning Objectives	Methodology	Learning Outcomes	Assessment Tools
1	UT-1	SOLUTIONS	30	- To describe the formation of different types of solutions; - To express concentration of solution in different units; - To state and explain Henry's law and Raoult's law - To distinguish between ideal and non-ideal solutions - To explain deviations of real solutions from Raoult's law; - To describe colligative properties of solutions	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain Storming	Students will be able to : - calculate accurately molarity, molality and mole fraction in the given numerical problems. - Apply Raoult's law in determining the vapour pressure of solutions. - Solve textbook and other curriculum based numerical problems with improved accuracy.	- Pen and paper test - Class room discussion - Class work and Home work - Assignments
2	COMPREHENSIVE EXAM	- SOLUTIONS - ELECTROCHEMISTRY - CHEMICAL KINETICS	30	- To understand oxidation, reduction, redox reactions - To describe the process of electrolysis and reactions occurring at electrodes - To understand working principles of batteries, fuel cells	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain storming - Power point presentation	Students will be able to: - Distinguish between galvanic and electrolytic cells. - Use standard reduction potentials to predict the feasibility of redox reactions - Apply Nernst equation for non standard reactions	- Pen and paper test - Class room discussion - Class work and Home work - Assignments

				- To describe corrosion and methods of prevention - To define rate of reaction - To understand and write rate laws for different reactions - To understand factors affecting reaction rates		- Apply Faradays laws of electrolysis to calculate quantities of substances produced - Students will be able to: - Calculate rate constant and derive unit of rate constants of different order reactions. - Apply integrated rate equations for zero and first order reactions	
3	UT 2	D AND F BLOCK ELEMENTS COORDINATION	70	- To describe general properties of transition elements - To explain the trends in properties - To understand the chemistry of inner transition elements - To define coordination compounds, ligands, coordination sphere, - To learn IUPAC nomenclature for naming coordination compounds - To understand bonding in coordination compounds	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain storming - Power point presentation	Students will be able to: - Locate d and f block elements - Compare and contrast the properties of d and f block elements - Solve conceptual problems based on magnetic properties, oxidation states - Write the chemical formulae and name coordination compounds - Explain the types of isomerism in coordination compounds	- Pen and paper test - Class room discussion - Class work and Home work - Assignments

4	MID TERM EXAM	SOLUTIONS ELECTROCHEMISTRY CHEMICAL KINETICS D AND F BLOCK ELEMENTS COORDINATION COMPOUNDS HALOALKANES AND HALOARENES	70	- To classify haloalkanes and haloarenes - To understand methods of preparation of haloalkanes and haloarenes - To explain physical properties and describe chemical reactions of haloalkanes and haloarenes	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain storming - Power point presentation	Students will be able to: - Compare reactivity of haloalkanes and haloarenes and explain the reasons for differences - Identify stereochemical aspects - Apply concepts to solve problems related to reaction mechanisms	- Pen and paper test - Class room discussion - Class work and Home work - Assignments
5	MOCK EXAM	- SOLUTIONS - ELECTROCHEMISTRY - CHEMICAL KINETICS - D AND F BLOCK ELEMENTS - COORDINATION COMPOUNDS - HALOALKANES AND HALOARENES - ALCOHOLS AND PHENOLS - ALDEHYDES, KETONES AND CARBOXYLIC ACIDS - AMINES - BIOMOLECULES	70	- To use scientific conventions, symbols, chemical formulae, chemical equations as per international standards - To learn the various methods used in the preparation of alcohols, phenols and ethers and their physical and chemical properties. - To learn the various methods used in the preparation of aldehydes, ketones and carboxylic acids and their physical and chemical properties - To learn the various methods used in the	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain storming - Power point presentation	Students will be able to : - Discuss the reactions involved in the preparation of alcohols, phenols and ethers. - Correlate physical properties of alcohols, phenols and ethers with their structure to investigate the products - Write the IUPAC names of aldehydes, ketones and carboxylic acids - Discuss the reactions involved in the preparation of aldehydes, ketones	- Pen and paper test - Class room discussion - Class work and Home work - Assignments

				preparation of amines and their physical and chemical properties • To understand the characteristics of biomolecules like carbohydrates,protein ,nucleic acids and hormones		and carboxylic acids • Correlate physical properties of aldehydes,ketones and carboxylic acids with their structure to investigate the products • Describe the structure of amines using orbital diagram • Classify amines,apply IUPAC nomenclature,descri ed reaction mechanism • Investigate the presence of carbohydrates,prote ins and nucleic acids • Differentiate between glucose and fructose,fibrous and globular proteins • Classify vitamins,differentia te between water soluble and fat soluble vitamins • Describe the structure and chemical	
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						composition of nucleic acids	
6	PREBOARD EXAM	COMPLETE SYLLABUS	70	To prepare and reinforce for board examination.	- Lecture Method, - Use of Interactive Panel - Group Discussion - Brain storming - Practice of variety of questions including previous year questions.	Student will be able to: Recapitulate the content taught in the class	Pen and paper test

RAMJAS PUBLIC SCHOOL (DAY BOARDING)
ANNUAL CURRICULUM PLAN (2026-2027)
PSYCHOLOGY
CLASS XII

TOPIC	LEARNING OBJECTIVES	METHODOLOGY	LEARNING OUTCOMES	ASSESSMENT TOOLS
Chapter 1: Variations in Psychological Attributes	- Introduce the concept of individual differences and their significance in psychology. - Teach key psychological constructs: intelligence, aptitude, creativity, emotional intelligence, and special abilities. - Explain various intelligence theories: psychometric, multiple intelligences, triarchic, and emotional intelligence. - Teach the use of psychological tools for assessment.	Case studies on intelligence testing; Group discussion on creativity vs intelligence; Project: Create your own aptitude test	- Analyse differences in human behaviour and abilities. - Compare and contrast different models and theories of intelligence. - Evaluate the use and limitations of intelligence and aptitude tests. - Create a simple psychological tool or rubric to assess a selected attribute.	Class test, Group activity rubric, Project presentation
Chapter 2: Self and Personality	- Introduce the concept of self, self-concept, self-esteem, and self-regulation. - Teach major personality theories: Type, Trait,	Role-play on defense mechanisms; Project: Administer a personality questionnaire; Classroom discussions on personality theories	- Compare different personality theories and their approaches to explaining behaviour. - Analyse personal traits and understand others'	Oral questioning, Concept map evaluation

	Psychodynamic, Humanistic, Behavioural, and Cultural. - Explain personality assessment methods: self-report, projective, behavioral analysis. - Promote self-awareness through reflective activities.		personalities using trait theory. - Critique the validity and reliability of personality assessments. - Create a personality profile using appropriate tools.	
Chapter 3: Meeting Life Challenges	- Explain the concept of stress and its types (eustress, distress). - Teach sources of stress: life events, hassles, internal conflicts. - Introduce coping strategies: problem-focused, emotion-focused. - Explain stress management techniques: relaxation, mindfulness, social support.	Activity: Stress diary for a week; Mindfulness session; Poster-making on coping strategies	- Identify various stressors and their impact on physical and psychological well-being. - Compare coping strategies and their effectiveness. - Develop personalized stress management plans. - Apply stress reduction techniques in daily life situations.	Poster assessment, Written test
Chapter 4: Psychological Disorders	- Teach classification systems (ICD, DSM) and criteria for defining abnormality. - Explain symptoms, causes, and treatment of major disorders: anxiety, somatoform, mood, schizophrenia,	Case analysis; Skit on symptoms of disorders (sensitively); Myth vs Fact discussions	- Recognise and differentiate between various psychological disorders. - Analyse symptoms and potential causes using biopsychosocial models. - Solve diagnostic challenges by applying	Case study analysis, Quiz, Class test

	developmental, substance abuse. - Promote sensitivity and remove stigma about mental illness.		classification criteria. - Demonstrate empathy and appropriate attitudes toward mental illness.	
Chapter 5: Therapeutic Approaches	- Introduce and explain various therapy methods: psychodynamic, behavioral, cognitive, humanistic, biomedical. - Teach principles and techniques of effective therapy. - Discuss ethical issues in therapy (confidentiality, informed consent, competence).	Role play of therapy sessions; Activity: Design a therapy centre layout; Discussion on ethics in therapy	- Compare different therapeutic approaches based on theory and effectiveness. - Analyse case examples and identify appropriate therapeutic techniques. - Evaluate ethical concerns in counselling and therapy. - Design a basic intervention plan for a case scenario.	Therapy plan evaluation, MCQ test
Chapter 6: Attitude and Social Cognition	- Introduce the formation and change of attitudes. - Teach attribution theory and errors. - Explain stereotypes, prejudice, and discrimination. - Explore social influence processes: persuasion and social cognition.	Survey: Changing attitudes through campaigns; Ad analysis for persuasion techniques; Project on stereotypes in media	- Analyse how attitudes are formed and changed. - Compare different types of attributions and identify common attribution errors. - Critically examine the impact of stereotypes and bias in society. - Create a small project to promote attitude change.	Survey report review, Class test, Peer assessment
Chapter 7: Social Influence and Group Processes	- Teach concepts of social influence: conformity, compliance, obedience.	Group experiment on conformity (Asch-style); Cooperative task-building	Compare types of social influence with real-life examples.	Observation rubric, Group discussion, Quiz

	- Explain group structure, leadership, cooperation, and competition. - Explore decision-making and conflict in group settings.	activity; Role-play on leadership	- Analyse group dynamics and leadership styles. - Solve group-related issues using conflict resolution techniques. - Create strategies to foster teamwork and cooperation.	
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RAMJAS PUBLIC SCHOOL (DAY BOARDING)

Anand Parbat, Delhi-110005

ANNUAL CURRICULUM PLAN (2026-27)

SUBJECT: ENGLISH

TERM I

CLASS:XII

S.No.	UT/Term	Task	Marks	Learning Objectives	Methodology	Skills to be developed
1.	UNIT TEST_I	Reading Skills: Comprehension & Vocabulary Advanced Writing Skills: Article /Speech Writing Literature – Flamingo : The Last Lesson Lost Spring Poetry – My Mother at Sixty –six Aunt Jennifer’s Tigers	30	Reinforcement and assessment of the content and skills taught in class.	Individual assessment through a pen paper test	- Reading comprehension, vocabulary and grammar skills - Global comprehension of the literature content taught - Critical / analytical thinking
2.	Comprehensive Examination	Reading Skills: Comprehension & Vocabulary Advanced Writing Skills: Notice Writing Literature – Flamingo : Deep Water, Rattrap Aunt Jennifer’s Tigers	30	Reinforcement and assessment of the content and skills taught in class.	Individual assessment through a pen paper test	- Reading comprehension, vocabulary and grammar skills - Global comprehension of the literature content taught - Critical / analytical thinking
3.	Unit Test-II	Reading Skills : Comprehension & Vocabulary Advanced Writing Skills: Invitations Literature- Flamingo: Indigo Going Places, Keeping Quiet, Aunt Jennifer’s Tigers, A Thing of Beauty Vistas : The Tiger King	30	Reinforcement and assessment of the content and skills taught in class.	Individual assessment through a pen paper test	- Reading comprehension, vocabulary and grammar skills - Global comprehension of the literature content taught - Critical /analytical thinking
4.	TERM --I	Reading Skills : Comprehension & Vocabulary	100	Reinforcement and assessment of the content and skills taught in class.	Individual assessment through a pen paper test	Reading comprehension, vocabulary and grammar skills

		Advanced WRITING Skills :Notice Writing Invitations and their replies Letter to the Editor, Job Application, Article, Report Literature :Flamingo –(Prose) The Last lesson Lost Spring Deep Water Rattrap Indigo Going Places (Poetry) My Mother at Sixty –six Keeping Quiet A Thing of Beauty Aunt Jennifer’s Tigers VISTAS: The Tiger King The Enemy On The Face Of It Memories Of Childhood				· Global comprehension of the literature content taught Critical /analytical thinking
6.	Mock & Pre-Board Examination	Reading Skills : Comprehension &Vocabulary Summary Writing Advanced Writing Skills : Notice, Invitations & their Replies, Letters, /Articles Flamingo & Vistas: All the chapters covered till Term I Vistas : Journey to the End of the Earth Flamingo : The Interview, Poets and Pancakes Poem : A Roadside Stand	100	Reinforcement and assessment of the content and skills taught in class.	Individual assessment through a pen paper test	· Reading comprehension, vocabulary and grammar skills · Global comprehension of the literature content taught Critical /analytical thinking
NO.	TERM	PROSE/ FICTION				
A.	Term --I	FLAMINGO :				

1.		THE LAST LESSON		· To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. · To make the learners appreciate the story in terms of its plot, setting and characterisation. · To develop new vocabulary. · To enable specific and global comprehension of the text read . · To develop an understanding of the themes conveyed by the text	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	· Reading with correct word stress, sentence stress and intonation . · Reading for understanding both global and specific. · Anticipation and prediction · Developing writing skills by integrating literature with language. · Writing for self expression. · Building vocabulary, deducing the meaning of unfamiliar lexical terms in a given context. · Developing thought, critical analysis on the basis of the text read. · Development of writing skills and their appreciation. · Understanding the human values. · Understanding literary devices.
				Love for one's language Patriotic fervour and sense of belongingness to one's nation Student – teacher attitudes to learning and teaching		
				Time management and a sense of prioritising work		
2.		LOST SPRING		· To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. · To make the learners appreciate the story in terms of its plot, setting and characterisation. · To develop new vocabulary · To develop specific and global comprehension of the text read . · To develop an understanding of the themes conveyed by the text · Sensitise the learners with regard to the prevalent social evils like child labour and the	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help	· Reading with correct word stress, sentence stress and intonation . · Reading for understanding both global and specific. · Anticipation and prediction · Developing writing skills by integrating literature with language. · Writing for self expression. · Building vocabulary, deducing the meaning of unfamiliar lexical terms in a given context. · Developing thought, critical analysis on the basis of the text read.

				ill effects of casteism which obstruct their progress Acquaint them with the existing evils like corruption which close all the ways to their development	of Smart Board and Text Book	- Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
3.		DEEP WATER		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - To incorporate values like perseverance, determination and tenacity which go a long way in achieving one's targets.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
4.		THE RATTRAP		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text. - The metaphorical significance of the rattrap and how it is compared to the world. - Value of goodness and nobility of heart which is ultimately able to reform an individual.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read.

					of Smart Board and Text Book	- Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
5.		INDIGO		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - Values of unity, togetherness, integrity, self—reliance and independence. - Understand and value the contribution of the Father of Nation in uniting masses and making them aware of their rights.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
6.		GOING PLACES		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - TO understand the psychology of the teenagers - To enable the learners to relate to the problems they create for themselves by speaking lies.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read.

					of Smart Board and Text Book	- Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
B.		VISTAS : (PROSE) THE TIGER KING		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - Arbitrariness and capricious behaviour of the rulers in the time of British India.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
2.		THE ENEMY		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - To understand the qualities of a doctor and a human being - The hard choices that one has to make in life between one's roles as a private individual and as a citizen with a sense of national loyalty.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values.

						Understanding literary devices.
4.		ON THE FACE OF IT		- To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - To sensitise the learners about the possible complexes that the differently- abled children go through by understanding the character of Derry - To understand how the over- protective attitude of the parents towards such children deprives them of the normal joys of living. - To understand and value the positivity reflected through the character of Mr. Lamb that brings in Derry's transformation.	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help of Smart Board and Text Book	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context. - Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
5.		MEMORIES OF CHILDHOOD		- To enable To enable the learners to appreciate a literary genre (prose) and the writer's style of writing. - To make the learners appreciate the story in terms of its plot, setting and characterisation. - To develop new vocabulary - To develop specific and global comprehension of the text read . - To develop an understanding of the themes conveyed by the text - To sensitise the learners with regard to the evils like untouchability, class/ caste distinctions and motivate the learners to understand the importance of excellence in life—be that any	Class discussion on the author's life and work. Class discussion on the setting, plot, characters and the themes in the story. Assessment through speaking activity. Lecture method, Brain—storming Questions and answers with the help	- Reading with correct word stress, sentence stress and intonation . - Reading for understanding both global and specific. - Anticipation and prediction - Developing writing skills by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical terms in agiven context.

				sphere, scholastic /sports/co-scholastic that helps one to override barriers and win immediate acceptance in society.	of Smart Board and Text Book	- Developing thought, critical analysis on the basis of the text read. - Development of writing skills and their appreciation. - Understanding the human values. - Understanding literary devices.
C 1.		FLAMINGO : (POETRY) MY MOTHER AT SIXTY –SIX BY KAMLA DAS		- To enable learners to appreciate a literary genre i.e. poetry. - To make the learners appreciate Kamla Das’ simplistic poetic style which conveys intense meaning. - To make the learners comprehend the different moods presented by the poet. - To enable the learners to understand the literary devices/figures of speech used in the poem. - To develop an understanding of the theme conveyed by the poem.	Class discussion on the poet’s life and work, the setting of the poem, its rhyme scheme, its literal meaning and the theme it conveys.	- Reading with correct rhyme and rhythm. - Reading for understanding/ comprehension both global and specific. - Developing writing skill by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical items in a given context. - Developing thought, critical analysis/ appreciation on the basis of the text read. - Understanding of human values and emotions. - Understanding of literary devices/ figures of speech used.
3.		KEEPING QUIET BY PABLO NERUDA		- To enable learners to appreciate a literary genre i.e. poetry. - To make the learners appreciate Pablo Neruda’s simplistic poetic style which conveys intense meaning. - To make the learners comprehend the literal as well as the figurative meaning of the poem. - To enable the learners to understand the literary devices/figures of speech used in the poem. - To develop an understanding of the themes conveyed by the poem.	Class discussion on the poet’s life and work, the setting of the poem, its rhyme scheme, its literal meaning and the themes it conveys.	- Reading with correct rhyme and rhythm. - Reading for understanding/ comprehension both global and specific. - Developing writing skill by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical items in a given context.

						- Developing thought, critical analysis/ appreciation on the basis of the text read. - Understanding the importance of quiet introspection. - Understanding of literary devices/ figures of speech used.
4.		A THING OF BEAUTY BY JOHN KEATS		- To enable learners to appreciate a literary genre i.e. poetry. - To make the learners appreciate John Keats simplistic poetic style which conveys intense meaning. - To make the learners comprehend the literal as well as the figurative meaning of the poem. - To enable the learners to understand the literary devices/figures of speech used in the poem. - To develop an understanding of the themes conveyed by the poem.	Class discussion on the poet's life and work, the setting of the poem, its rhyme scheme, its literal meaning and the themes it conveys.	- Reading with correct rhyme and rhythm. - Reading for understanding/ comprehension both global and specific. - Developing writing skill by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical items in a given context. - Developing thought, critical analysis/ appreciation on the basis of the text read. - Developing the ability to seek inspiration from nature in the despondent times. - Understanding of literary devices/ figures of speech used.
5.		AUNT JENNIFER'S TIGERS BY ADRIENNE RICH		- To enable learners to appreciate a literary genre i.e. poetry. - To make the learners appreciate Adrienne Rich's simplistic poetic style which conveys intense meaning. - To make the learners comprehend the literal as well as the figurative meaning of the poem. - To enable the learners to understand the literary devices/figures of speech used in the poem. - To develop an understanding of the themes conveyed by the poem.	Class discussion on the poet's life and work, the setting of the poem, its rhyme scheme, its literal meaning and the themes it conveys.	- Reading with correct rhyme and rhythm. - Reading for understanding/ comprehension both global and specific. - Developing writing skill by integrating literature with language. - Writing for self expression. - Building vocabulary, deducing the meaning of unfamiliar lexical items in a given context.

						- Developing thought, critical analysis/ appreciation on the basis of the text read. - Understanding the constraints of married life that a woman undergoes. - Understanding of literary devices/ figures of speech used.
	<u>WRITING SKILL</u> <u>TOPICS FOR TERM 1</u> - Notice Writing - Invitation and their Replies(Formal and Informal) - Formal Letters(letters to the Editor/Job Applications) - Article Writing - Report Writing			- To make the learners write in a style and format appropriate for writing letters / articles/ speeches//notice/invitations and their replies(formal/informal)/advertisements/posters. - To enable the learners to plan, organise and present ideas coherently by organising their ideas logically and concisely - To enable learners to introduce, develop and conclude a given topic. - To reinforce the formats and the value points for all writing topics.	- Using the Extra Marks SLMs for writing tasks to teach and reinforce the formats for the writing topics and their value points. - Worksheets with writing tasks based on the themes highlighted in the Text book and socially relevant topics. - Class discussion / brainstorming on the tasks / questions to be	- Composition skills - Critical/analytical thinking - Presenting ideas in clear, grammatically correct English and a logical sequence. - Planning, organising and presenting coherently ideas by introducing, developing and concluding a topic. - Comparing and contrasting ideas and arriving at conclusions. - Using a style and format appropriate for letters/notices//articles/speech/other short compositions.s - Building critical thinking - Reflecting over important issues.

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
Chapter: Financial statements of a Company - Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013) - Financial Statement Analysis: Objectives, importance and limitations	The students will be able to - develop the understanding of major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet as per the prescribed norms / formats. - state the meaning, objectives and limitations of financial statement analysis.	The teacher will explain the meaning of Financial statements of a Company by asking questions: - What are financial Statements of companies.? - What are the objectives and importance of these financial statements? These will be explained using a PPT.	Understanding of major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet

ANNUAL CURRICULUM PLAN 2026-27

**ACCOUNTANCY
CLASS XII**

Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
Chapter: Tools for Financial Statement Analysis: - Comparative statements, - common size statements	The students will be able to - discuss the meaning of different tools of 'financial statements analysis' - develop the understanding and skill of preparation of comparative and common size financial statements.	The teacher will explain the meaning of Comparative and common size statements. The teacher will ask following questions Q1. What is common size Balance sheet and Statement of P and L. Q2. What is comparative Balance sheet and Statement of P and L. The teacher will then explain how to prepare these statements. These will be explained using a PPT.	skill of preparation of comparative and common size financial statements.

ANNUAL CURRICULUM PLAN 2026-27

**ACCOUNTANCY
CLASS XII**

Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
Chapter: Accounting Ratios • Meaning, Objectives, classification and computation • Liquidity Ratios: Current ratio and Quick ratio. • Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. • Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio and Working Capital Turnover Ratio. • Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment	The students will be able to • state the meaning, objectives and significance of different types of ratios. • develop the understanding of computation of current ratio and quick ratio. • develop the skill of computation of debt equity ratio, total asset to debt ratio, proprietary ratio and interest coverage ratio. • develop the skill of computation of inventory turnover ratio, trade receivables and trade payables ratio and working capital turnover ratio. • develop the skill of computation of gross profit ratio, operating	The teacher will explain the meaning of Accounting ratios. The teacher will ask following questions Q1. What are Accounting ratios.? Q2.How ratios can be used as a means of analysis for financial statements? The teacher will then explain how to calculate different Ratios. These will be explained using a PPT.	Skill of computation of various ratios.

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

	ratio, operating profit ratio, net profit ratio and return on investment.		
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
BOOK I Unit 2:Accounting for Partnership Firm Ch 1: Accounting for Partnership Firms - Fundamentals - Meaning of partnership and partnership firm Partnership Deed - Provisions of Indian partnership act 1932 in the absence of Deed - Content and Format of profit and Loss Appropriation A/c	Students will be able to: - To State the Meaning of partnership and partnership firm & Partnership Deed - To List Provisions of Indian partnership act 1932 in the absence of Deed - To Prepare profit and Loss Appropriation A/c - To Understand the Concept of fixed and Fluctuating Capital	<u>Meaning of partnership and partnership firm Partnership Deed</u> Students previous knowledge of Partnership will be utilized to introduce the session. A PPT will be used to enable students to understand the basic concepts and definitions related to partnership firm. <u>Provisions of Indian partnership act 1932 in the absence of Deed</u> A power point presentation will be shared with students to highlight the points to be kept in mind for various accounting decisions when the deed is absent. Examples will be used to make the concept clear. <u>Content and Format of profit and Loss Appropriation A/c</u> Preparation of Profit and Loss Appropriation a/c will be explained to students through solution of a	To Prepare profit and Loss Appropriation A/c and fixed and Fluctuating Capital account

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

• Concept of fixed and Fluctuating Capital • Calculation of Opening Capital and Interest on capital of partners • Calculation of Interest on Drawings of partners using Average Period method • Calculation of Interest on Drawings of partners using Product method • Calculation of Salary and Commission of Partners • Concept of past Adjustment with Single Adjustment Entry.	• To Calculate the Opening Capital and Interest on capital of partners • To Calculate of Interest on Drawings of partners using Product method and Average Period Method • To Calculate of Salary and Commission of Partners • To apply Concept of past Adjustment with Single Adjustment Entry. • To apply Concept of past Adjustment with Profit And loss Adjustment A/c • To Record entries for Guarantee of Profit to a partner	numerical example using a worksheet. Students will be encouraged to engage in meaningful discussion. <u>Concept of fixed and Fluctuating Capital</u> Numerical examples will be solved. Students will participate in discussion while preparing Partners' Capital / Current A/c <u>Calculation of Opening Capital and Interest on capital of partners</u> A Worksheet will be share with students and will by solved to demonstrate the method of Calculating Opening Capital and the Interest on Capital of partners while taking care of appropriations and adjustments. <u>Calculation of Interest on Drawings of partners using Average Period method</u> Method of calculating interest on drawing using Average period method will be discussed in online class Identification of regular drawings and calculation of average period will be demonstrated by solving numericals <u>Calculation of Interest on Drawings of partners using Product method</u> Method of calculating and Accounting treatment of interest on drawing using Product method in	
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ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

• Concept of past Adjustment with Profit And loss Adjustment A/c • Guarantee of Profit to a partner		the event of irregular Drawings will be explained by solving numerical problems <u>Calculation of Salary and Commission of Partners</u> Calculation and Accounting treatment of Salary and commission of partners will be explained by solving numerical problems with student participation. Students will be engaged using Q & A technique. <u>Concept and accounting entries for rectification of a single error</u> Concept of past adjustment of a single error will be explained by solving numerical problems with student participation. Students will be engaged using Q & A technique. <u>Concept of past adjustment and accounting entries for rectification of multiple error</u> Accounting entries for past adjustments using Profit and loss adjustment A/c will be explained by solving numerical problems with student participation. Students will be engaged using Q & A technique. <u>Guarantee of Profit to a partner</u> Concept of Guarantee of profit to a partner will be discussed using a PPT and its accounting treatment will be explained by solving numerical problems with student participation. Students will be engaged using Q & A technique.	
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ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

		<u>Guarantee of Profit by a partner</u> Concept of Guarantee of profit by a partner will be discussed using a PPT and its accounting treatment will be explained by solving numerical problems with student participation. Students will be engaged using Q & A technique.	
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
BOOK I Unit 2 :Accounting for Partnership Firm Ch : 2 Meaning and Valuation of goodwill - Meaning of Goodwill - Factors Affecting Goodwill - Self - Generated and Purchased Goodwill	Students will be able to: - To State the Meaning of Goodwill - To Understand the Factors Affecting Goodwill	Discussion and explanation method will be used to introduce Ch 3 Goodwill: Meaning, nature & types and Factors affecting Goodwill of a firm will be discussed in class using their background knowledge. Average profit method and Weighted Average profit method of valuation of goodwill will be explained and numerical questions will be solved with students' involvement to enable students to calculate the value of Goodwill.	Skill to Calculate the value of Goodwill using various methods & apply the concept of past adjustment to valuation of goodwill.

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

• Methods of Valuation of Goodwill : • Average Profit method • Super Profit Method • Weighted Average profit method • Capitalization Method	• To Explain difference between Self - Generated and Purchased Goodwill • To Calculate the value of Goodwill using various methods. • To Apply the concept of past adjustment to valuation of goodwill.	Super profit method of valuation of goodwill will be explained and numerical questions will be solved with students' involvement to enable students to calculate the value of Goodwill. Capitalisation Method of valuation of goodwill will be explained and numerical questions will be solved with students' involvement to enable students to calculate the value of Goodwill using varied information. Valuation of Goodwill - With adjustment of Profit will be introduced using the past knowledge of rectification and past adjustment and numerical questions will be solved with students' involvement to enable students to calculate the value of Goodwill using past years' financial information.	
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
BOOK I Unit 2 :Accounting for Partnership Firm	• To State the meaning of Reconstitution	Meaning of change in Profit Sharing Ratio of existing partners and Calculation of Gaining and Sacrificing Ratio will be explained to students with the help of a document based presentation.	Skill to prepare of Final Accounts of the reconstituted Firm

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

Ch : 3 Accounting for Reconstitution of Partnership firm- Change in Profit Sharing Ratio • Meaning of Reconstitution • Calculation of Gaining Ratio and Sacrificing Ratio • Treatment of Goodwill • Treatment of Accumulated Profit and losses • Revaluation of Assets and Reassessment of Liabilities • Preparation of Final Accounts of the reconstituted Firm • Capital Adjustment	• To develop the skill to calculate Gaining Ratio and Sacrificing Ratio • To Understand the treatment of Goodwill • To Explain Treatment of Accumulated Profit and losses • To Understand the Accounting Treatment Revaluation of Assets and Reassessment of Liabilities • To Prepare of Final Accounts of the reconstituted Firm • To Apply the Concept of Capital Adjustment	Treatment of Goodwill will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation. Treatment of Accumulated Profits and losses will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation. Revaluation of Assets and Reassessment of Liabilities will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation. Preparation of Revaluation A/c, Partners' Capital A/ c and revised Balance Sheet will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation. Preparation of Revaluation A/c, Partners' Capital A/ c and revised Balance Sheet will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation.	
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ANNUAL CURRICULUM PLAN 2026-27

**ACCOUNTANCY
CLASS XII**

		- Adjustment of Capital will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation. Adjustment of Capital will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation.	
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
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ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

BOOK I Unit 2 :Accounting for Partnership Firm Ch :6 Accounting for Admission of a Partner • Meaning of Admission of Partner • Calculation of Gaining Ratio and Sacrificing Ratio • Treatment of Goodwill • Treatment of Accumulated Profit and losses • Revaluation of Assets and Reassessment of Liabilities	• To State the meaning of Admission of a partner • To develop the skill to calculate Gaining Ratio and Sacrificing Ratio • To Understand the treatment of Goodwill • To Explain Treatment of Accumulated Profit and losses • To Understand the Accounting Treatment Revaluation of Assets and Reassessment of Liabilities • To Prepare of Final Accounts of the reconstituted Firm	concept of admission and calculation of Sacrificing Ratio:Meaning of change in Profit Sharing Ratio of existing partners and Calculation of Gaining and Sacrificing Ratio will be explained to students with the help of a document based presentation. Calculation of New profit sharing ratioTreatment of Goodwill will be explained to students. Numerical questions based on the topic will be solved with students' participation. Treatment of Goodwill, premium paid privately, paid in cash and kind will be explained to students using numerical questions based on the topic will be solved with students' participation. Premium for goodwill not brought in cash , Hidden goodwill Revaluation of Assets and Reassessment of Liabilities will be explained to students using numerical questions based on the topic will be solved with students' participation. treatment of Accumulated profit and losses will be explained to students using numerical questions based on the topic will be solved with students' participation.	• Skill to do accounting Treatment Revaluation of Assets and Reassessment of Liabilities and prepare Final Accounts of the reconstituted Firm
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ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY
CLASS XII

• Preparation of Final Accounts of the reconstituted Firm		Preparation of Capital Accounts and Balance Sheet (Fixed Capital Method) Preparation of Revaluation A/c, Partners' Capital & Current A/c and revised Balance Sheet will be explained to students numerical questions based on the topic will be solved with students' participation. Preparation of Capital Accounts and Balance Sheet (Fixed Capital Method) Preparation of Revaluation A/c, Partners' Capital & Current A/c and revised Balance Sheet will be explained to students using numerical questions based on the topic will be solved with students' participation. Preparation of Capital Accounts and Balance Sheet (Fluctuating Capital Method) Preparation of Revaluation A/c, Partners' Capital A/c and revised Balance Sheet will be explained to students using numerical questions based on the topic will be solved with students' participation. Preparation of Capital Accounts and Balance Sheet (Fluctuating Capital Method) Preparation of Revaluation A/c, Partners' Capital A/c and revised Balance Sheet will be explained to students using numerical questions	
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ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

		based on the topic will be solved with students' participation.	
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
BOOK I Unit 2 :Accounting for Partnership Firm Ch :7 Accounting for Death of a Partner • Concept of Death of a Partner • Calculation of Gaining Ratio and NPSR • Determination of Amount payable to deceased partner • Treatment of Goodwill • Treatment of Accumulated Profit and losses	• To State the concept of Death of a partner • To develop the skill to calculate Gaining Ratio and NPSR • To develop the skill to calculate share of profit of deceased partner. • To Understand the treatment of Goodwill • To Explain Treatment of Accumulated Profit and losses	Calculation of NPSR & GR, calculation and treatment of goodwill.:Meaning of change in Profit Sharing Ratio of existing partners and Calculation of Gaining and Sacrificing Ratio along with calculation for goodwill will be explained to students with the help of a document based presentation. Calculation of Share of profit of deceased partner will be explained to students using numerical questions based on the topic will be solved with students' participation. Calculation of amount payable to the executors of deceased partner will be explained to students using numerical questions based on the topic will be solved with students' participation. preparation of Deceased Partner's capital Account will be explained to students using numerical questions based on the topic will be solved with students' participation.	Skill to do accounting Treatment of Revaluation of Assets and Reassessment of Liabilities and prepare Final Accounts of the reconstituted Firm

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

• Revaluation of Assets and Reassessment of Liabilities • Preparation of the account of deceased partner	• To Understand the Accounting Treatment Revaluation of Assets and Reassessment of Liabilities • To Prepare the account of deceased partner	Comprehensive Question Revaluation of Assets and Reassessment of Liabilities will be explained to students using screen sharing of word document where numerical questions based on the topic will be solved with students' participation.	
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Topic & Subtopics	Learning Objectives	Methodology	Skill Developed
Chapter: Accounting for Share Capital • Share and share capital: nature and types. • Accounting for share capital: issue and allotment of equity and preferences shares. 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	The students will be able to • state the meaning of share and share capital and differentiate between equity shares and preference shares and different types of share capital. • understand the meaning of private placement of shares and Employee Stock Option Plan. • explain the accounting treatment of share capital transactions regarding issue of shares.	The teacher will explain the meaning of Share Capital. The teacher will ask following questions Q1.What is a share and Share Capital? Q2.What is ESOP and Private placement of shares? The teacher will then explain how to journalise the transactions on issue of shares, prepare cash book and extract of balance Sheet indicating share capital These will be explained using a Smart board	Skill to do the accounting treatment of share capital transactions regarding issue of shares forfeiture and re-issue of forfeited shares and presentation of share capital in the balance sheet of the company as per schedule III part I of the Companies Act 2013.

ANNUAL CURRICULUM PLAN 2026-27

ACCOUNTANCY CLASS XII

for consideration other than cash. • Concept of Private Placement and Employee Stock Option Plan (ESOP). • Accounting treatment of forfeiture and reissue of shares. • Disclosure of share capital in the Balance Sheet of a company.	• develop the understanding of accounting treatment of forfeiture and re-issue of forfeited shares. • describe the presentation of share capital in the balance sheet of the company as per schedule III part I of the Companies Act 2013.		
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Topic & Subtopics	Learning Objectives	Methodology	. Skill Developed
Chapter: Accounting for Debentures • Debentures: 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;	The students will be able to • explain the accounting treatment of different categories of transactions related to issue of debentures. • develop the understanding and skill of writing of discount / loss on issue of debentures. • understand the concept of collateral security and its presentation in balance sheet.	The teacher will explain the meaning of Debenture accounting. The teacher will ask following questions Q1.What is a debenture and ho is it different from bond? Q2.What are the different terms based on which debentures can be issued? The teacher will then explain how to journalize the transactions on issue of debentures.	Skill to do accounting treatment of different categories of transactions related to issue of debentures writing of discount / loss on issue of debentures. interest on debentures.

ANNUAL CURRICULUM PLAN 2026-27

**ACCOUNTANCY
CLASS XII**

• debentures as collateral security concept, • interest on debentures. • Writing off discount / loss on issue of debentures.	• develop the skill of calculating interest on debentures and its accounting treatment. • state the meaning of redemption of debentures.	These will be explained using a PPT and Microsoft word	
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RAMJAS PUBLIC SCHOOL (DAY BOARDING)
ANNUAL CURRICULUM PLAN (2026-2027)
PSYCHOLOGY
CLASS XII

TOPIC	LEARNING OBJECTIVES	METHODOLOGY	LEARNING OUTCOMES	ASSESSMENT TOOLS
Chapter 1: Variations in Psychological Attributes	- Introduce the concept of individual differences and their significance in psychology. - Teach key psychological constructs: intelligence, aptitude, creativity, emotional intelligence, and special abilities. - Explain various intelligence theories: psychometric, multiple intelligences, triarchic, and emotional intelligence. - Teach the use of psychological tools for assessment.	Case studies on intelligence testing; Group discussion on creativity vs intelligence; Project: Create your own aptitude test	- Analyse differences in human behaviour and abilities. - Compare and contrast different models and theories of intelligence. - Evaluate the use and limitations of intelligence and aptitude tests. - Create a simple psychological tool or rubric to assess a selected attribute.	Class test, Group activity rubric, Project presentation
Chapter 2: Self and Personality	- Introduce the concept of self, self-concept, self-esteem, and self-regulation. - Teach major personality theories: Type, Trait,	Role-play on defense mechanisms; Project: Administer a personality questionnaire; Classroom discussions on personality theories	- Compare different personality theories and their approaches to explaining behaviour. - Analyse personal traits and understand others'	Oral questioning, Concept map evaluation

	Psychodynamic, Humanistic, Behavioural, and Cultural. - Explain personality assessment methods: self-report, projective, behavioral analysis. - Promote self-awareness through reflective activities.		personalities using trait theory. - Critique the validity and reliability of personality assessments. - Create a personality profile using appropriate tools.	
Chapter 3: Meeting Life Challenges	- Explain the concept of stress and its types (eustress, distress). - Teach sources of stress: life events, hassles, internal conflicts. - Introduce coping strategies: problem-focused, emotion-focused. - Explain stress management techniques: relaxation, mindfulness, social support.	Activity: Stress diary for a week; Mindfulness session; Poster-making on coping strategies	- Identify various stressors and their impact on physical and psychological well-being. - Compare coping strategies and their effectiveness. - Develop personalized stress management plans. - Apply stress reduction techniques in daily life situations.	Poster assessment, Written test
Chapter 4: Psychological Disorders	- Teach classification systems (ICD, DSM) and criteria for defining abnormality. - Explain symptoms, causes, and treatment of major disorders: anxiety, somatoform, mood, schizophrenia,	Case analysis; Skit on symptoms of disorders (sensitively); Myth vs Fact discussions	- Recognise and differentiate between various psychological disorders. - Analyse symptoms and potential causes using biopsychosocial models. - Solve diagnostic challenges by applying	Case study analysis, Quiz, Class test

	developmental, substance abuse. - Promote sensitivity and remove stigma about mental illness.		classification criteria. - Demonstrate empathy and appropriate attitudes toward mental illness.	
Chapter 5: Therapeutic Approaches	- Introduce and explain various therapy methods: psychodynamic, behavioral, cognitive, humanistic, biomedical. - Teach principles and techniques of effective therapy. - Discuss ethical issues in therapy (confidentiality, informed consent, competence).	Role play of therapy sessions; Activity: Design a therapy centre layout; Discussion on ethics in therapy	- Compare different therapeutic approaches based on theory and effectiveness. - Analyse case examples and identify appropriate therapeutic techniques. - Evaluate ethical concerns in counselling and therapy. - Design a basic intervention plan for a case scenario.	Therapy plan evaluation, MCQ test
Chapter 6: Attitude and Social Cognition	- Introduce the formation and change of attitudes. - Teach attribution theory and errors. - Explain stereotypes, prejudice, and discrimination. - Explore social influence processes: persuasion and social cognition.	Survey: Changing attitudes through campaigns; Ad analysis for persuasion techniques; Project on stereotypes in media	- Analyse how attitudes are formed and changed. - Compare different types of attributions and identify common attribution errors. - Critically examine the impact of stereotypes and bias in society. - Create a small project to promote attitude change.	Survey report review, Class test, Peer assessment
Chapter 7: Social Influence and Group Processes	- Teach concepts of social influence: conformity, compliance, obedience.	Group experiment on conformity (Asch-style); Cooperative task-building	Compare types of social influence with real-life examples.	Observation rubric, Group discussion, Quiz

	- Explain group structure, leadership, cooperation, and competition. - Explore decision-making and conflict in group settings.	activity; Role-play on leadership	- Analyse group dynamics and leadership styles. - Solve group-related issues using conflict resolution techniques. - Create strategies to foster teamwork and cooperation.	
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ANNUAL CURRICULUM PLAN (2026-2027)

SUBJECT: BUSINESS STUDIES

CLASS: XII

S.No.	UT/TERM	Topics Covered	Marks	Learning Objectives	Methodology	Skills to be developed
1	UT1	Marketing Consumer Protection Act Business Environment	30	1) Understand the concept of marketing. 2) Discuss the functions of marketing. 3) Explain the marketing philosophies. Marketing Mix – Concept and elements 4) Understand the concept of marketing mix. 5) Describe the elements of marketing mix. Product - branding, labelling and packaging – Concept 6) Understand the concept of price as an element of marketing mix. 7) Describe the factors determining price of a product. Distribution. 8) Understand the concept of physical distribution. 9) Explain the components of physical distribution. 10) Describe the various channels of distribution. 11) Understand the concept of promotion as an element of marketing mix.	#Lecture Method #Discussion Method #Use of Interactive Board #Short Notes for quick learning #Examples from real world business situations.	# Logical Reasoning # Analytical skills # Critical thinking # Solving Case Studies # Time Management

				12) Describe the elements of promotionmix,i.e.advertising, sales promotion, Discuss the conceptofpublicrelations,etc. 13) Understandtheconceptof consumer protection. 14) Describetheimportanceof consumer protection. 15) Discuss the scope of ConsumerProtectionAct,2019 16) Understandtheconceptofa consumer according to the ConsumerProtectionAct,2019. 17) Explaintheconsumerrights and Understand the responsibilities of consumers 18) Understandwhocanfilea complaintandagainstwhom? 19) Discussthelegalredressal machinery under Consumer Protection Act, 2019. 20) Examine the remedies availabletotheconsumerunder ConsumerProtectionAct,2019. 21) Describe the role of consumer organizations and NGOsinprotectingconsumers’ interests. 22) Understandtheconceptof ‘Business Environment’. 23) Describetheimportanceof business environment. 24) Describethevarious dimensionsof‘Business		
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				Environment'. 25) Understand the concept of demonetization.		
2	COMPREHENSIVE EXAM	Marketing Consumer Protection Financial Management Financial Market	30	1) Understand the concept of financial market. 2) Understand the concept of money market. 3) Discuss the concept of capital market. 4) Explain primary and secondary markets as types of capital market. 5) Differentiate between capital market and money market. 6) Distinguish between primary and secondary markets. 7) Give the meaning of a stock exchange. 8) Explain the functions of a stock exchange. 9) Discuss the trading procedure in a stock exchange. 10) Give the meaning of depository services and demat account as used in the trading procedure of securities. 11) State the objectives of SEBI.	#Lecture Method #Discussion Method #Use of Interactive Board #Short Notes for quick learning #Examples from real world business situations. #Use of PPTs	# Logical Reasoning #Analytical skills #Critical thinking #Solving Case Studies #Time Management

				12) Explain the functions of SEBI. 13) Understand the concept of financial management. 14) Explain the role of financial management in an organisation. 15) Discuss the objectives of financial management 16) Discuss the three financial decisions and the factors affecting them. 17) Describe the concept of financial planning and its objectives. 18) Explain the importance of financial planning. 19) Understand the concept of capital structure. 20) Describe the factors determining the choice of an appropriate capital structure of a company. 21) Understand the concept of fixed and working capital. 22) Describe the factors determining the requirements of fixed and working capital.		
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3	UT2	NatureandSignificanceofManagement Principles ofManagement FinancialManagement	30	1)Understandtheconcept of management. 2)Explain the meaning of ‘EffectivenessandEfficiency. 3)Discusstheobjectives of management. 4)Describetheimportance of management. 5)Examine the nature of managementasascience,artand profession. 6)Understandtheroleoftop,middle and lower levels of management. 7)Explainthefunctionsof management. 8)Understandtheconceptof principles of management. 9)Explainthesignificanceof management principles. 10)Fayol’sprinciplesof management 11)Discuss the principles of managementdevelopedbyFayol. 12)Taylor’s Scientific management-principlesand techniques 13)Explaintheprinciplesand techniques of ‘Scientific Management’ 14)Comparethecontributionsof	# Lecture Method #DiscussionMethod #UseofInteractive Board #Short Notes for quick learning#Examplesfrom real world business situations. #UseofPPTs	# Logical Reasoning #Analyticalskills#Critical thinking #Solving Case Studies #TimeManagement
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			Fayol and Taylor 15) Understand the concept of planning. 16) Describe the importance of planning. 17) Understand the limitations of planning. 18) Describe the steps in the process of planning. 19) Develop an understanding of single use and standing plans. 20) Describe objectives, policies, strategy, procedure, method, rule, budget and programme as types of plans. 21) Understand the concept of organizing as a structure and as a process. 22) Explain the importance of organising. 23) Describe the steps in the process of organizing. 24) Describe functional and divisional structures of organisation. 25) Explain the advantages, disadvantages and suitability of functional and divisional structure. 26) Understand the concept of formal and informal organisation.		
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				27) Discuss the advantages, disadvantages of formal and informal organisation. 28) Understand the concept of delegation. 29) Describe the elements of delegation. 30) Appreciate the importance of Delegation. 31) Understand the concept of decentralisation. 32) Explain the importance of decentralisation. 33) Differentiate between delegation and Decentralisation		
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4	TERMI	All Chapters covered so far. Planning Controlling Organising	80	1. Understand the concept of financial market. 2. Understand the concept of money market. 3. Discuss the concept of capital market. 4. Explain primary and secondary markets as types of capital market. 5. Differentiate between capital market and money market. 6. Distinguish between primary and secondary markets. 7. Give the meaning of a stock exchange. 8. Explain the function of a stock exchange. 9. Discuss the trading procedure in a stock exchange. 10. Give the meaning of depository services and demat account as used in the trading procedure of securities. 11. State the objectives of SEBI. 12. Explain the functions of SEBI.	#Lecture Method #Discussion Method #Use of Interactive Board #Short Notes for quick learning #Examples from real world business situations. #Use of PPTs # Use of YouTube Videos	# Logical Reasoning # Analytical skills # Critical thinking # Solving Case Studies # Time Management
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5	MOCK EXAMINATION	Staffing Directing	80	1) Understandtheconceptof staffing. 2) Explaintheimportanceof staffing 3) Understand the specialized dutiesandactivitiesperformedby Human Resource Management Staffing process 4) Describethestepsinthe process of staffing. 5) Understandthemeaningof recruitment. 6) Discussthesourcesof recruitment. 7) Explain the merits and demeritsofinternalandexternal sources of recruitment. 8) Understandthemeaningof selection. 9) Describethestepsinvolvedin the process of selection. 10) Understandtheconceptof training and development. 11) Appreciate the importance of trainingtothe organisationandto the employees. 12) Discuss the meaning of induction training, vestibule training,apprenticeshiptraining and internship training. 13) Differentiatebetween traininganddevelopment. 14) Discussonthejobandoffthe	#LectureMethod #Discussion Method #UseofInteractive Board #Short Notes for quick learning #Examples from realworldbusiness situations. #UseofPPTs # Use of YouTubeVideos	# Logical Reasoning #Analyticalskills #Criticalthinking #Solving Case Studies #TimeManagement

				job methods of training. 15) Describe the concept of directing. 16) Discuss the importance of directing 17) Describe the various elements of directing 18) Understand the concept of motivation. 19) Develop an understanding of Maslow's Hierarchy of needs. 20) Discuss the various financial and non-financial incentives. 21) Understand the concept of leadership. 22) Understand the various styles of leadership. 23) Understand the concept of communication 24) Understand the elements of the communication process. 25) Discuss the concept of formal and informal communication. 26) Discuss the various barriers to effective communication. 27) Suggest measures to overcome barriers to communication. 28) Understand the concept of controlling. 29) Explain the importance of controlling. 30) Describe the relationship between planning and controlling		
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				31) Discuss the steps in the process of controlling. 32) Understand the concept of financial management. 33) Explain the role of financial management in an organisation. 34) Discuss the objectives of financial management 35) Discuss the three financial decisions and the factors affecting them. 36) Describe the concept of financial planning and its objectives. 37) Explain the importance of financial planning. 38) Understand the concept of capital structure. 39) Describe the factors determining the choice of an appropriate capital structure of a company. 40) Understand the concept of fixed and working capital. 41) Describe the factors determining the requirements of fixed and working capital.		
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6	PRE-BOARD EXAMINATION	FullSyllabuscoveredinalltheterms	80	Preparingforboardexams.	PenandPaperExam	Applicationofthe concepts taught.

ANNUAL CURRICULUM PLAN 2026-2027
SOCIOLOGY CLASS XII

S.No.	Assessment	Marks	Learning Objectives	Methodology	Skills to be developed
1	Unit Test I (Chapter 2 and 3)	30	Assess conceptual understanding of Unit I, promote regular study habits, strengthen analytical thinking and application.	Pen-paper test with MCQs, Assertion-Reason, Case-based, Short S Long Answers, Discussion.	Critical Thinking, Conceptual Clarity, Time Management, Writing Skills
2	Project Work	20	Develop research aptitude and experiential learning.	Survey, Interviews, Observation, Report, PPT, Viva.	Research, Communication, Presentation, Collaboration
3	COMPREHENSIVE EXAM (Chapter 2 ,3 and 4)	30	Improve examination strategies	CBSE Pattern Exam	Strategic Thinking Self assessment
5	Unit Test – II (Chapter 5 and 6)	30	Reinforce learning and identify gaps.	Worksheets, Quiz, Oral S Written Assessment.	Confidence, Self-learning, Collaboration
6	MID TERM EXAM (Chapter 2 to 6)	80	Evaluate comprehensive understanding and analytical ability.	CBSE pattern written exam.	HOTS, Logical Reasoning, Written Expression
7	Mock Examination (FULL SYLLABUS)	80	Improve examination strategies.	Mock exam, feedback, remedial teaching.	Accuracy, Self-assessment, Strategic Thinking
8	Pre Board Examination (FULL SYLLABUS)	80	Assess holistic achievement.	CBSE pattern written examination.	Critical Thinking, Problem Solving, Communication

Theme	Marks	Learning Objectives	Methodology	Learning Outcomes	Assessment Tools
Chapter 1 Introducing Indian Society MARCH	10	- Understand the concept and significance of social institutions in maintaining social order. - Examine the evolution of caste, tribe, family and kinship in Indian society. - Analyze continuity and transformation of social institutions in response to modernization and globalization.	- Interactive Lecture Method - Group Discussion / Think-Pair-Share - Visual Aids and Infographics - Use of Textbook and Smart Board	- Explain the structure and functions of major social institutions. - Compare traditional and modern family systems. - Analyze the changing role of caste and tribal communities in contemporary India. - Apply sociological concepts to real-life situations and current social issues.	- Oral Questioning - Pen Paper Testing - Notebook assessment - Project Work / Presentation - RUBRICS- Research work-10 Content accuracy-5 Presentation-5

Chapter 2 The Demographic Structure of Indian Society APRIL	10	• Develop an understanding of demographic concepts and their significance in Sociology. • Analyze population trends using census data and demographic indicators. • Interpret the relationship between population growth, economic development and social change. • Understand migration, urbanization and regional disparities in India.	• Timeline Creation • Group Discussion / Think-Pair-Share • Documentaries and Films • Use of Textbook and Smart board	• Explain demographic concepts such as fertility, mortality, migration and population density. • Interpret statistical data and population pyramids effectively. • Compare rural and urban demographic characteristics. • Evaluate demographic challenges faced by contemporary Indian society	• Notebook assessment • PROJECT- • Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva-5
Chapter 3: Social Institutions- Continuity and Change MAY	12	• Understand the concept and significance of social institutions in maintaining social order. • Examine the evolution of caste, tribe, family and kinship in Indian society. • Analyze continuity and transformation of social institutions in response to modernization and globalization. • Develop sensitivity towards issue of social justice, equality and cultural diversity.	• Lecture-cum-discussion method supported by multimedia presentations. • Case studies based on contemporary Indian society. • Use of Textbook and Smart Board.	• Explain the structure and functions of major social institutions. • Compare traditional and modern family systems. • Analyze the changing role of caste and tribal communities in contemporary India. • Apply sociological concepts to real-life situations and current social issues.	• Pen Paper Testing • Notebook assessment • Project Work/Presentation • RUBRICS- Research work—10 Content accuracy—5 Presentation—5

				• Demonstrate improved critical thinking, communication and collaborative learning skills.	
Chapter 5: Patterns of Social Inequality and Exclusion JULY	12	• Understand various forms of inequality existing in Indian society. • Analyze issues related to caste, tribe, gender and disability. • Develop empathy towards marginalized communities. • Encourage critical analysis of contemporary social issues.	• Storytelling with Role Play • Multimedia / documentary Clips • Group Discussion or Debate • Compare and Contrast Charts • Use of Textbook and Smartboard	• Students will identify causes and consequences of inequality. • Evaluate government initiatives for social justice • Develop sensitivity towards diversity • Apply sociological perspectives to current issues	• Notebook assessment • Project Work/Presentation • RUBRICS- Research work—5 Content accuracy—5 Presentation—5 Viva-5

Chapter 6: The Challenges of Cultural Diversity JULY	12	• Understand the importance of cultural diversity in a democratic society. • Examine challenges arising due to regionalism, communalism and identify politics. • Appreciate constitutional values of secularism and national integration. • Develop respect for multiculturalism and social harmony. • Enhance analytical thinking regarding cultural conflicts and their resolution	• Interactive discussion. • Debate • Documentaries • Interactive lectures • Concept mapping	• Students will analyze cultural diversity from a sociological perspective • Evaluate the role of secularism in India • Appreciate national integration and develop informed opinions on contemporary socio-cultural issues	• Pen and Paper test • Oral questioning • Project • Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva-5
Chapter 8: Structural Change AUGUST	12	• Understand the concept of structural change in Indian society. • Analyze the impact of industrialization, urbanization and globalization on social institutions. • Examine occupational mobility and changing economic structures. • Develop awareness regarding social transformation in contemporary India. • Apply sociological concepts to current developmental issues.	• Interactive lectures • Smart Board presentations • Documentary screening • Case studies	• Students will explain structural changes in Indian society. • Evaluate the impact of globalization. • Analyze socio-economic transformations. • Demonstrate critical understanding of developmental processes	• MCQs, Competency-Based Questions • Worksheets • Oral Presentation • Quiz, NCERT Exercises • Class Test.

Chapter 12: Change and Development in Industrial Society		- Analyze the contribution of social movements in promoting democracy and social justice. - Evaluate the impact of technology on society. - Develop awareness regarding responsible citizenship and constitutional values. - Enhance research and communication skills through contemporary examples	- Discussion-Based Learning - Role play - Interactive Data Analysis	- Students will critically analyze media influence - Evaluate social movements - Appreciate democratic participation - Demonstrate informed civic responsibility	- Oral Questioning - Pen Paper Testing - Notebook Assessment - Project Work Rubrics- Research-5 Content accuracy-5
Chapter 15: Social Movements		- Understand the concept, nature and significance of social movements in promoting democratic values and social justice. - Analyze the emergence, objectives and achievements of major social movements in India, including Environmental, Women's, Dalit and Tribal Movements. - Examine the role of civil society, public participation and constitutional provisions in bringing about social change. - Develop sensitivity towards issues of equality, justice, human rights and sustainable development. - Encourage learners to critically evaluate contemporary social issues through a sociological perspective	- Class Discussion - Debate - Use of Multimedia - Role play	Students will be able to: - Explain the concept and characteristics of social movements. - Differentiate between various types of social movements in India. - Analyze the contribution of social movements in strengthening democracy and protecting citizens' rights. - Evaluate the role of social activism in achieving social justice and environmental sustainability. - Demonstrate critical thinking, research	- Oral Questioning - Pen Paper Testing - Multiple Choice Questioning - Project Work Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva-5

				aptitude and effective communication while analyzing contemporary social issues.	
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ANNUAL CURRICULUM PLAN 2026-27

MATHEMATICS: CLASS XII

Date	Topic / Lesson	Learning Objectives	Teaching Strategies / Methodology	Projects / Activity	Learning Outcomes	Assessment Tools
01-04-2026 TO 30-04-2026	1. Relations and Functions: Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and Onto functions. 2. Inverse Trigonometric Functions: Definition, domain, principal value branch. Graphs of inverse trigonometric functions. 3. Matrices: Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: addition, scalar multiplication, matrix multiplication. Simple properties of operations. Non-commutativity and existence of non-zero matrices whose product is the zero matrix. Invertible matrices and proof of the uniqueness of inverse, if it exists.	Know types of relations viz reflexive, symmetric, transitive and equivalence relations. Know one-to-one and onto functions. Know inverse trigonometric functions, their domain, principal value branch and graph of inverse trigonometric functions. Learn concept, notation, order, equality and types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Know operations on matrices - addition, scalar multiplication, multiplication - and simple properties. Learn non-commutativity and associativity. Know the proof of uniqueness of inverse.	Lecture-cum-demonstration using interactive board	1. Verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m): l \perp m\}$, is symmetric but neither reflexive nor transitive. 2. Verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m): l \parallel m\}$, is an equivalence relation. 3. Demonstrate a function which is one-one but not onto.	Understand relations and functions and their types Think critically about relations and functions Reason logically about relations and functions Analyse and evaluate relations and functions Understand matrices and their types Evaluate matrices Apply properties of matrices Create a matrix and solve	Worksheets MCQs Class Tests Verbal tests Unit tests
01-05-2026	UT-1: Relations and Functions, Inverse Trigonometric Functions and Matrices	Evaluation of students	—	—	—	Pen-Paper test
01-05-2026 TO 16-05-2026	4. Determinants: Determinant of a square matrix, minors, cofactors, and application of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of a system of linear equations; solving a system of linear equations in two or three	Learn determinants of a square matrix, minors, cofactors and application of determinants to find the area of a triangle. Know adjoint and inverse of a matrix. Know consistency, inconsistency and number of solutions of a system of linear equations using the inverse of a matrix.	Lecture-cum-demonstration using interactive board	—	Understand determinants Think critically about determinants Analyse and evaluate determinants Apply determinants to solve systems of linear	Worksheets MCQs Class Tests Verbal tests

Date	Topic / Lesson	Learning Objectives	Teaching Strategies / Methodology	Projects / Activity	Learning Outcomes	Assessment Tools
	variables having a unique solution using the inverse of a matrix.				equations	
01-07-2026	Comprehensive Examination: Relations and Functions, Inverse Trigonometric Functions, Matrices and Determinants	Evaluation of students	—	—	—	Pen-Paper test
01-07-2026 TO 31-07-2026	5. Continuity and Differentiability: Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric form. Second order derivatives. 6. Application of Derivatives: Rate of change of quantities, increasing/decreasing functions, maxima and minima. Simple problems.	Learn continuity and differentiability, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Learn the concept of exponential and logarithmic functions and their derivatives. Learn logarithmic differentiation and derivatives of functions in parametric form. Know second order derivatives. Learn application of derivatives - rate of change of quantities, increasing/decreasing functions, maxima and minima.	Lecture-cum-demonstration using interactive board	4. Find analytically the limit of a function $f(x)$ at $x = c$ and check the continuity of the function at $x = c$. 5. Sketch the graph of a^x and $\log_a x$ ($a > 0, a \neq 1$) and examine that they are mirror images of each other. 6. Understand the concept of decreasing and increasing functions. 7. Understand the concept of local maxima, local minima and point of inflection, and the maximum/minimum value of a function in a given closed interval through its graph.	Understand continuity and differentiability Reason logically about continuity and differentiability Analyse continuity and differentiability for various functions Evaluate continuity and differentiability problems Understand application of derivatives Think critically about application of derivatives Analyse and evaluate application of derivatives	Worksheets MCQs Class Tests Verbal tests Unit tests
01-08-2026 TO 31-08-2026	7. Integrals: Integration as the inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts. Evaluation of simple integrals of special types. Fundamental theorem of calculus. Basic properties of definite integrals and their evaluation.	Learn integration as the inverse of differentiation. Know integration of a variety of functions by substitution, by partial fractions and by parts. Know simple integrals of special types and the fundamental theorem of calculus. Know properties of definite integrals.	Lecture-cum-demonstration using interactive board	8. Understand the concepts of absolute maxima and minimum values of a function in a given closed interval through its graph.	Understand integrals Reason logically about integrals Analyse and evaluate integrals	Worksheets MCQs Class Tests Verbal tests
—	UT-2: Continuity and Differentiability, Application of Derivatives, Integrals	Students' evaluation	—	—	—	Pen-Paper test

Date	Topic / Lesson	Learning Objectives	Teaching Strategies / Methodology	Projects / Activity	Learning Outcomes	Assessment Tools
	(indefinite)					
—	8. Application of Integrals: Application in finding the area under simple curves - lines, circles, parabolas, and ellipses (standard form).	Learn application of integrals - areas under simple curves, especially lines, circles, parabolas and ellipses (standard form).	Lecture-cum-demonstration using interactive board	9. Evaluate the definite integral $\int_a^b \sqrt{1-x^2} dx$ as the limit of a sum and verify it by actual integration.	Understand application of integrals and evaluate areas under curves	—
01-09-2026	Term-1 Examination: Units 1 to 8	Evaluation of students	—	—	—	Pen-Paper test
01-09-2026 TO 30-09-2026	9. Differential Equations: Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by the method of separation of variables; solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equations of the type $dy/dx + py = q$ (p, q functions of x or constants) and $dx/dy + px = q$ (p, q functions of y or constants). 10. Vectors: Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear), 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 the scalar (dot) product and vector (cross) product of vectors.	Learn differential equations, order and degree, and general and particular solutions. Know solution by variable separable method, solutions of homogeneous equations, and of linear differential equations of first order and first degree. Know vectors and scalars, magnitude and direction of a vector. Know direction cosines and direction ratios. Learn types of vectors, position vector of a point, components of a vector, addition and multiplication of a vector by a scalar. Know dot (scalar) and cross (vector) products of vectors.	Lecture-cum-demonstration using interactive board	—	Understand differential equations Think critically about differential equations Analyse and evaluate differential equations Apply differential equations to real-life problems Solve related real-life problems using differential equations Understand vectors and their types Think critically about vectors Analyse vectors Apply and evaluate vectors in related problems	Worksheets MCQs Class Tests Verbal tests
01-10-2026 TO 31-10-2026	11. Three-Dimensional Geometry: Direction cosines and direction ratios of a line joining two points. Cartesian and vector equations of a line. Skew lines, shortest distance between two	Know direction cosines and direction ratios of a line joining two points, and the Cartesian, vector and general equation of a line. Know skew lines, shortest	Lecture-cum-demonstration using interactive board	10. Explain the computation of the conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of	Understand three-dimensional geometry Think critically about lines in 3D	Worksheets MCQs Class Tests

Date	Topic / Lesson	Learning Objectives	Teaching Strategies / Methodology	Projects / Activity	Learning Outcomes	Assessment Tools
	lines. Angle between two lines. 12. Linear Programming: Introduction and related terminology such as constraints, objective function, optimisation. Graphical method of solution for problems in two variables. Feasible and infeasible regions (bounded and unbounded), feasible and infeasible solutions, optimal solutions (up to three non-trivial constraints). 13. Probability: Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem.	distance and angle between two lines. Know terminology such as constraints, objective function, optimisation and the graphical method of solution for problems in two variables. Know feasible and infeasible regions and their solutions. Know conditional probability, multiplication theorem on probability, independent events, total probability and Bayes' theorem.		dice.	Analyse and evaluate problems on 3D geometry Understand linear programming and related terms Think critically about linear programming Analyse and evaluate linear programming Create a linear programming problem and solve it Understand probability Think critically about probability Analyse types of probability and evaluate	Verbal tests Unit tests
November	Mock Examination: Complete Syllabus	Students' evaluation	—	—	—	Pen-Paper test
December	Preboard Examination: Complete Syllabus	Students' evaluation	—	—	—	Pen-Paper test

ANNUAL CURRICULUM PLAN (2026-2027)

SUBJECT: ECONOMICS

CLASS: XII

S.No.	UT/ TERM	Task	Marks	Learning Objectives	Methodology	Learning Outcomes	Assessment Tools
1	UT 1	Indian Economy on the Eve of Independence Government Budget and the economy	30	To enable the learners to: 1) Understand the state of the Indian economy in 1947, the year of India's independence. 2) Understand the factors that led to the underdevelopment and stagnation of the Indian economy. 3) Understand the objectives of the government budget. 4) Know about the structure and components of the budget. 5) Learn about various types of budget deficits and their implications.	Lecture Method Discussion Method Use of Interactive Panel Flip Learning	The learners will be able to: 1) State the features of the Indian economy at the time of independence. 2) Discuss the factors that led to the underdevelopment and stagnation of the Indian economy. 3) Define a government budget. 4) Identify the objectives of the government budget. 5) Apply the criteria of classifying receipts and expenditures in a budget. 6) Define and estimate various types of deficits in the budget.	Assignments related to the topics taught. Unit Test
2	COMPREHENSIVE EXAM	Indian Economy on the Eve of Independence Government Budget and the economy Money and Banking Balance of Payment and Foreign Exchange Rate	30	To enable the learners to: 1) Define money and its functions. 2) Define money supply and its components. 3) Explain money creation by commercial banks. 4) Understand the meaning of central bank and its functions. 5) Explain the instruments of credit control used by the central bank.	Lecture Method Discussion Method Use of Interactive Panel Flip Learning	The learners will be able to: 1) State the functions of money. 2) List the components of M1 as a measure of money supply. 3) Explain the process of money creation by commercial banks. 4) Identify and explain the functions of central bank. 5) Analyse the use of various instruments of credit control by the central bank.	Assignments based on the topics taught. Comprehensive Exam

				6) Define and state the components of BOP. 7) Explain the current and capital account in the BOP. 8) Identify the transactions to be recorded in current and capital account. 9) Differentiate between the autonomous and accommodating transactions. 10) Understand the meaning of BOP deficit. 11) Discuss the various types of foreign exchange rate markets. 12) Determine the foreign exchange rate in a flexible exchange rate market. 13) Study the effect of appreciation and depreciation of currency on exports and imports.		6) Define the BOP account. 7) Classify the given transactions in a BOP. 8) Differentiate between autonomous and accommodating transactions. 9) Define BOP deficit. 10) Identify different types of foreign exchange rate systems. 11) Explain the effect of appreciation and depreciation of currency on exports and imports.	
3	UT 2	Balance of Payment and Foreign Exchange Rate Indian Economy 1950-1990 Economic Reforms Since 1991	30	To enable the learners to: 1) Know the goals of India's five-year plans. 2) Learn about the development policies in different sectors such as agriculture and industry from 1950-1990. 3) Understand the background of the reform policies introduced in India in 1991. 4) Understand the mechanism through which the reform policies were introduced.	Lecture Method Discussion Method Use of Interactive Panel Flip Learning PPT's	The learners will be able to: 1) State the goals of five year plans. 2) Critically analyse the development policies introduced in various sectors from 1950-1990. 3) State the reasons for introduction of economic reforms in 1991. 4) Explain the impact of various reform measures introduced after 1991.	Assignments based on the topics taught. Unit Test

				5) Comprehend the process of globalisation and its implications for India.			
4	TERM I	National Income and Related Aggregates Basic Concepts: Consumption goods, Capital goods, Final goods, Intermediate goods, Stocks and Flows, Gross investment and Depreciation. Circular Flow of Income, Aggregates related to national income: GNP, NNP, GDP and NDP at market price and at factor cost.	80	To enable the learners to: 1) Define the different aggregates of national income. 2) Explain the circular flow of income. 3) Differentiate between stock variable and flow variable. 4) Define various concepts like depreciation, consumer goods, producer goods and capital goods. 5) Differentiate between intermediate and final goods with examples.	Lecture Method Use of Interactive Panel Problem Solving Technique Flip Learning	The learners will be able to: 1) Explain the circular flow of income. 2) Identify stock and flow variables. 3) Classify goods as final or intermediate with reasons.	Assignments related to the topics taught. Term Exam
5	MOCK EXAM	National Income and Related Aggregates Methods of calculating National Income-Value Added or Product method, Income method and Expenditure method. Determination of Income and Employment Aggregate Demand and its components. Short run equilibrium output, investment multiplier and its mechanism. Problem of excess and deficit demand, measures to correct them.	80	To enable the learners to: 1) Calculation of national income by various methods. 2) Define aggregate demand and its components. 3) Define aggregate supply. 4) Determine the equilibrium level of income in an economy using AD=AS approach and S=I approach. 5) Define and explain the working of investment multiplier. 6) Define the concepts of excess and deficit demand and explain the measures to correct the situation. 7) Define concept of human resource and human capital.	Lecture Method Use of Interactive Panel Problem Solving Method Discussion Method Flip Learning PPT's	The learners will be able to: 1) Estimate national income by various methods. 2) State various components of aggregate demand. 3) Explain the adjustment mechanism to attain equilibrium in an economy. 4) Define and explain the working of investment multiplier. 5) Explain various monetary and fiscal measures to correct the situation of excess and deficit demand. 6) State the meaning of Human Capital and Human Capital Formation.	Assignments based on CBSE pattern covering the topics taught. Mock Exam

		Current Challenges facing Indian Economy Human capital formation Rural development Employment Sustainable economic development Development experience of India: A comparison with neighbours.		8) Differentiate between physical capital and human capital. 9) Understand the importance of human capital in economic development. 10) Analyse the growth of education sector. 11) Understand rural development and the major issues associated with it. 12) Understand the critical role of credit and marketing systems in rural development. 13) Understand the significance of organic farming in sustainable development. 14) Define basic concepts related to employment like worker, workforce and unemployment. 15) Analyse the growth and changes in work force participation rate in formal and informal sectors. 16) Define sustainable development 17) Understand the effects of economic development on resources and environment. 18) Compare the development experience of India with China and Pakistan based on population, sectoral development and other		7) Differentiate between physical capital and human capital. 8) Explain the significance of human capital in economic development. 9) Discuss the significance of rural development in the economic development of India. 10) Analyse the role of credit and marketing systems in rural development. 11) Critically analyse the significance of organic farming in sustainable development. 12) Analyse the growth and changes in work force participation rate in formal and informal sectors. 13) Analyse the effects of economic development on resources and environment. 14) Explain various strategies for sustainable development. 15) Compare the development experience of India with China and Pakistan based on population, sectoral development and other human development indicators.	
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				human development indicators.			
6	PRE-BOARD EXAM	Full Syllabus covered in all the terms	80	To enable the learners to prepare for upcoming board exams.	Lecture Method Discussion Method Practice of various sample papers covering different typology of questions based on CBSE pattern.	The learners will be able to prepare for the upcoming board exams by comprehending and applying various concepts taught.	Pre-Board Exam

CURRICULUM PLAN (2026-27)

SUBJECT: ENTREPRENEURSHIP

CLASS: XII

S.No.	UT/Term	Task	Marks	Learning Objectives	Methodology	Skills to be Developed
1.	Periodic Test 1	Entrepreneurial Opportunity	30	This unit explores business opportunities, including concept, elements, case studies, and the process of sensing opportunities in the environment. It also covers factors influencing opportunity sensing, environment scanning, micro and macro environments, problem identification, idea generation, and techniques for transforming ideas into	INTERACTIVE METHOD, LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	CRITICAL THINKING, CREATIVE THINKING, MEMORY RETENTION, APPLYING KNOWLEDGE TO CASE STUDIES, TIME MANAGEMENT

				opportunities.		
2	Comprehensive Test	Entrepreneurial Planning, Entrepreneurial opportunity	30	This unit delves into the planning process, including business planning, market analysis, financial planning, and the role of the entrepreneur	INTERACTIVE METHOD, LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	CRITICAL THINKING, CREATIVE THINKING, MEMORY RETENTION, APPLYING KNOWLEDGE TO CASE STUDIES, TIME MANAGEMENT
3	Periodic Exam 2	Business Arithmetic	30	. This unit covers essential financial concepts, including cost accounting, break-even analysis, and financial ratios.	INTERACTIVE METHOD, LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	CRITICAL THINKING, CREATIVE THINKING, MEMORY RETENTION, APPLYING KNOWLEDGE TO CASE STUDIES, TIME MANAGEMENT
4	Term 1	Syllabus of Periodic I + Periodic II + Comprehensive Test + Enterprise Marketing:	TH. 70+ Pr. 30 = Tot 100	This unit covers the principles of marketing, including product development, pricing strategies,	INTERACTIVE METHOD, LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL	CRITICAL THINKING, CREATIVE THINKING, MEMORY RETENTION, APPLYING

				promotion, and distribution. And practice through sample paper and question banks	LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	KNOWLEDGE TO CASE STUDIES, TIME MANAGEMENT
5	Mock Exam	Full Syllabus	TH. 70+ Pr. 30= Tot 100	Enterprise Growth Strategies This unit examines different strategies for enterprise growth, such as diversification, expansion, and innovation . Resource Mobilization: This unit explores different ways to secure resources, such as loans, investment	INTERACTIVE METHOD, LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	CRITICAL THINKING, CREATIVE THINKING, MEMORY RETENTION, APPLYING KNOWLEDGE TO CASE STUDIES, TIME MANAGEMENT

				s, and grants. And practice through sample paper and question banks		
6	Pre board Examination	Full Syllabus	70			

**RAMJAS PUBLIC SCHOOL DAY BOARDING
ANAND PARBAT NEW DELHI-110005**

**ANNUAL CURRICULUM PLAN 2026-2027
HISTORY
CLASS XII**

Theme	Learning Objectives	Methodology	Learning Outcomes	Assessment Tools
Theme-1 Bricks,Beads and Bones The Harappan Civilization APRIL	Students will be able to - Investigate, explore and interpret the early urban centres and social institutions. State and deduce the multi- lateral aspects of Harappan civilisation. Understand the major features and characteristics of Harappan civilization.	Interactive Lecture Method Group Discussion / Think-Pair-Share Visual Aids and Infographics Use of Textbook and Smart Board	Students will be able to – Investigate and interpret historical and contemporary sources and viewpoints of ASI and historians on Harappa. Understand the first civilization of the world.	Oral Questioning Pen Paper Testing Notebook assessment Project Work / Presentation RUBRICS- Research work—10 Content accuracy—5 Presentation—5 MAP-Identification and location

			Explain the major features of Harappan civilization, urban planning, drainage system, burial practice	
Theme 2 Kings, Farmers and Towns	Students will be able to- Understand the rise of early states. Examine the importance of agriculture in early societies and types of land ownership. Study the emergence of different towns as centres of trade and craft production.	Timeline Creation Group Discussion / Think-Pair-Share Documentaries and Films	Students will be able to- Analyse inscriptional evidences and the ways in which these have shaped the understanding of political and economic processes. Critically evaluate and interpret major trends in the political and economic history of the subcontinent. Students will be	Group Discussion/Presentation Peer Assessment Oral Questioning Pen Paper Testing Notebook Assessment MAP-Identification and location Pen Paper Testing Oral Questioning
Theme-3 Kinship, Caste and Class MAY	The students will be able to-- Understand how social structures and hierarchies were organized in early Indian societies particularly between 600 BCE and 600 CE.	Use of Textbook and Smart board		

Theme-4 Thinkers, Beliefs and Buildings	Explore the various forms of kinship. Investigate the concept of Varnas. Analyse the Mahabharata and other textual sources to gain insights into social, economic and political realities of the period.	Storytelling with Role Play Multimedia / Documentary Clips Group Discussion or Debate Compare and Contrast Charts Use of Textbook and Smartboard	able to— Identify and explain the various social structures prevalent in the early Indian society. Analyse the condition of women during the Mahabharata period.	Notebook assessment PROJECT- Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva--5
	The students will be able-- to understand the key concepts of Buddhism and Jainism. Analyze the development of religious institution. Examine how these beliefs were expressed through art and architecture.	Interactive discussion. Debate Documentaries	Students will be able to— Learn about the influential thinkers of the period like Buddha, Mahavira. Will be able to explain key concepts of Buddhism and	Pen and Paper test Oral questioning Project Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva--5

Theme-5 Through the eyes of travellers JULY	Students will be able to- Analyze travel accounts as historical sources. Examine how travellers interacted with different cultures , societies and landscapes and shaped their understandings of the world. Compare and contrast the observations of different travellers, their similarities and differences.	Discussion-Based Learning Role-Playing / Simulation Use of Multimedia Storytelling & Case Studies	Jainism. Students will be able to – Grasp the social , political and economic context in which these travellers wrote these accounts. Develop critical thinking skills by evaluating the biases and perspectives of travellers.	Oral Questioning Pen Paper Testing Note Book Assessment Multiple choice questions
Theme- 6 Bhakti and Sufi traditions	Students will be able to— Understand the rise and spread of Bhakti and Sufi Traditions. Explain how these movements spread and gained popularity.	Discussion-Based Learning Role Play Interactive Data Analysis	Students will be able to— Identify prominent figures in both Bhakti and Sufi traditions.	Oral Questioning Pen Paper Testing Notebook Assessment Project Work Rubrics- Research-5 Content accuracy-5

Theme-7 An Imperial Capital Vijayanagara AUGUST	Compare and contrast between Bhakti and Sufi movements.	Use of Textbook and Smartboard	Analyze the impact of Bhakti and Sufi traditions on Indian society.	Presentation-5 Viva--5
	Students will be able to - Understand the Rise and fall of the Vijayanagara Empire. Learn about the administrative system, army composition and social structure.	Class Discussion Use of Textbook and Smartboard	Students will be able to explain the Vijayanagara empire political organization. Draw connection between Vijayanagara and other historical periods and later south Indian kingdoms.	Oral test Multiple choice questions Pen and paper test Project work Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva--5
Theme-8 Peasants , Zamindars and the State.	Students will be able to – Learn about the different categories of Zamindars, their powers and influence on peasants. Understand how different peasant groups lived .	Class Discussion Think pair Share	Students will be able to— Compare the conditions of peasants during the colonial period and after the colonial rule.	Pen and paper test Oral test

Theme—9 Colonialism and the Countryside MID-TERM EXAM-- SEPTEMBER Theme -10 Rebels and the Raj	Understand how British policies influenced agriculture. Students will be able to- Examine how colonial rule reshaped rural society. Explore the revenue systems introduced by the British. Understand the social and political changes that resulted from these policies.	Class discussion Debate Use of multi-media Debate Class discussion Role Play	Explain the emergence of new class of landed intermediaries Students will be able to— Grasp of how the British East India Company established its rule in India, particularly in Bengal, and the role of Zamindars. . Students will be able to— Analyse how revolt created vision of unity amongst Indians. Interpret visual images to understand the emotions portrayed by the	Pen and paper test. Oral testing Project Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva--5 Pen and paper test Quiz Map Project Rubrics- Research-5
	The students will be able to— Examine the events of 1857. Correlate the planning and coordination of the rebels of 1857 to infer its domains and nature.	Class discussion Debate Role play Use of multi-media		

Theme-11 Mahatma Gandhi and the National movement OCTOBER	The students will be able to--- Understand the nationalist movement in the chronological order. Correlate the significant elements of the nationalist movement and the nature of ideas, individuals and institutions under the Gandhian leadership. Analyze key movements led by Gandhiji, explore the diverse sources used by historians and assess the broader implications of his actions.	Use of multi-media Class discussion Quiz	nationalists and British. The students will be able to— Explore the ways of interpreting historical source such as newspapers, biographies and autobiographies diaries, letters. Explain the core principles of Satyagraha. Analyze the impact of movements of Gandhi on the Indian society. Students will be able to— Analyze the structure of the Constitution.	Content accuracy-5 Presentation-5 Viva--5 Pen and paper test Quiz Multiple choice questions Project Rubrics- Research-5 Content accuracy-5 Presentation-5 Viva—5 MAP Pen and paper test Very short questions Project
Theme-12 Framing the Constitution	Highlight the role of Constituent Assembly to understand functionaries in framing the Constitution of India.			

NOVEMBER	Analyse how debates and discussions around important issues in the Constituent Assembly shaped our Constitution.		Understand the historical events and circumstance that led to the need for a new Constitution. Understand the key features of the Constitution.	MCQs Short questions
DECEMBER- MOCK EXAM JANUARY- 2026PRE-BOARD WHOLE SYLLABUS	Students will be able to clear their doubts and queries.			MCQs Short questions Long questions Map

CURRICULUM PLAN (2026-2027)

SUBJECT: INFORMATICS PRACTICES

CLASS: XII

Sno .	UT/ TERM	Task	Marks	Learning Objectives	Methodology	Learning Outcome	Assessment Tools
1	UT I	PYTHON PANDAS (SERIES)	30	Data Handling using Pandas Introduction to Python libraries- Pandas, Matplotlib. Data structures in Pandas Series	INTERACTIVE METHOD,LECTURE METHOD, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES, READING AND ANALYSING THE INFORMATION	Students will understand and apply Pandas Series for data manipulation and basic data analysis tasks.	Hands-on exercises, practical assignments using Pandas Series, and short objective quizzes.
2	COMP REHE NSI-V E TEST	PYTHON PANDAS (DATAFRAMES) DATA VISULIZATION (MATPLOTLIB)	30	Data structures in Pandas Data Frames. Data Visualization Purpose of plotting; drawing and saving following types of plots using Matplotlib line plot, bar graph	LECTURE METHOD, INTERACTIVE METHOD, READING AND ANALYSING THE INFORMATION, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES	Students will manipulate and analyze structured data using Pandas DataFrames effectively. Students will create and interpret data visualizations using Matplotlib for better insight and communication.	Practical coding tasks, data analysis projects, and structured quizzes. Graph plotting exercises, interpretation-based questions, and visual data presentation tasks.
3	UT II	DATA VISULIZATION(Continue) REVISION OF SQL FROM CLASS XI	30	Histogram Customizing plots: adding label, title, and legend in plots. Database Query using SQL: select select command, update, alter, aggregate functions.	LECTURE METHOD, INTERACTIVE METHOD, READING AND ANALYSING THE INFORMATION, ANSWERING CONTEXTUAL QUESTIONS BASED ON REAL LIFE INSTANCES	Students will recall and apply basic SQL commands like SELECT, WHERE, and JOIN for data retrieval.	SQL query writing exercises, practical lab sessions, and short-answer tests.
4	TERM 1	Syllabus of UT I + UT II +COMPREHENSIVE TEST + DATABASE QUERY USING	Th. 70 Pr. 30 Tot 100	 SQL Math functions POWER (), ROUND (), MOD ().	LECTURE METHOD, READING AND ANALYSING THE INFORMATION, DISCUSSION METHOD, BRAIN-STORMING METHOD, DISCUSSIONS OF		

		MATH+TEXT+DATE FUNCTIONS COMPUTER NETWORKS (Practical Based on Python)		Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM (). Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*) Querying and manipulating data using Group by, Having, Order by. Introduction to Computer Networks Introduction to networks Types of network, Network Devices Network Topologies, Website Web Browsers	THE QUESTIONS FROM SMART BOARD.	Students will use SQL functions to perform calculations, text manipulations, and date operations in queries. Students will understand basic networking concepts, types, protocols, and real-life applications of computer networks.	Function-based SQL tasks, hands-on database exercises, and application-oriented assessments. Conceptual quizzes, diagram-based questions, and oral presentations on network models.
5	MOCK EXAM	<u>FULL SYLLABUS</u> <u>(All Syllabus till Term 1 +</u> <u>SOCIETAL IMPACTS)</u>	Th. 70 Pr. 30 Tot 100	Societal Impacts 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. E-waste: hazards and management. Awareness about health concerns related to the usage of technology.	LECTURE METHOD, READING AND ANALYSING THE INFORMATION, DISCUSSION METHOD, BRAIN-STORMING METHOD, DISCUSSIONS OF THE QUESTIONS FROM SMART BOARD.	Students will evaluate the ethical, legal, and social impacts of computing and digital technologies in society.	Group discussions, case study analysis, and written reflections.

6	PREB OARD	Project and Practical based on Python , MySQL) <u>FULL SYLLABUS</u>	70				
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