



Brain International School

Recognised Senior Secondary School, Affiliated to CBSE
Vikas Puri, New Delhi

ANNUAL SYLLABUS (2026-27)

Subject Code-301

CLASS XI

SUBJECT: ENGLISH

Section - A Reading Skills - 26 Marks

Section - B Grammar and Creative Writing Skills - 23Marks

Section - C Literature - 31Marks

Assessment of Speaking and Listening Skills +Project - 20 Marks

MONTH & NO. OF DAYS	BOOK- HORNBILL	BOOK-SNAPSHOTS	WRITING SKILLS & GRAMMAR
APRIL (12 Days)	Ch-1 The Portrait of a Lady P-1 A Photograph (Poem)		Note making
MAY (22 Days)	Ch-2 "We're Not Afraid to Die..If We Can Be Together"	Ch-1 The Summer of the Beautiful White Horse	Poster Making Integrated Grammar (Reordering)

	REVISION		
	<p>PERIODIC TEST –I</p> <p style="text-align: right;">For Assignments please Click</p> <p>Syllabus: Ch-1 The Portrait of a Lady (Hornbill) Ch-2 “We’re Not Afraid to Die..If We Can Be Together” P-1 A Photograph (Poem) Ch-1 The Summer of the Beautiful White Horse (Snapshots) Note Making Poster Making (Writing skills) Integrated Grammar Exercise</p>		
JULY (25 Days)	Ch-3 Discovering Tut-The Saga Continues P -2 The Laburnum Top	Ch-2 The Address	Note making Speech writing
AUGUST (21 Days)	P -3 The Voice of the Rain REVISION	Ch-3 Mother’s Day (Play)	Advertisement and its types (Introduction)

SEPTEMBER (06 Days)	<p style="text-align: center;"><u>MID TERM EXAMINATION</u> For Assignments please Click</p> <p>Syllabus:</p> <p>Prose Ch-1 The Portrait of a Lady Ch-2 “We’re Not Afraid to Die..If We Can Be..” Ch-3 Discovering Tut-The Saga Continues</p> <p>Poetry P-1 A Photograph P -2 The Laburnum Top P -3 The Voice of the Rain</p> <p>Snapshots Ch-1 The Summer of the Beautiful White Horse Ch-2 The Address Ch-3 Mother’s Day (Play)</p> <p>Writing skills Poster Making Advertisement Speech Writing Note making Integrated Grammar Exercise</p> <p><u>Post Exam</u></p> <p>P -4 Childhood (Poem)</p>		
OCTOBER (19 Days)	Ch-4 The Adventure P-5 Father to Son		Note making (Practice) Questions on re-ordering/transformation of sentences
NOVEMBER (18 Days)	REVISION	Ch-4 Birth (Prose)	Classified Advertisements (Practice)
DECEMBER (09 Days)	<p style="text-align: center;"><u>PERIODIC TEST –II</u></p> <p>Syllabus:</p> <p>P -4 Childhood (Poem) Ch-4 The Adventure</p>		Speech based on verbal / visual cues (Practice)

	<p>P-5 Father to Son Ch-4 Birth (Prose) Note making (Practice) Questions on re-ordering/transformation of sentences Speech based on verbal / visual cues (Practice) Classified Advertisements</p> <p>For Assignments please Click</p>	
<p>Post Exam DECEMBER (12 Days)</p>	<p>Ch-5 Silk Road</p>	<p>Debate Writing Classified Advertisements (Practice)</p>
<p>JANUARY (15 Days)</p>	<p>Ch-5 The Tale of Melon City</p>	<p style="text-align: center;">REVISION</p>
<p>FEBRUARY/ MARCH</p>	<p><u>ANNUAL EXAMINATION</u> (Entire Syllabus) For Assignments please Click</p>	



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ANNUAL SYLLABUS

Session: 2026-27

CLASS XI

SUBJECT: PHYSICS

Month	Book –NCERT	EXPERIMENTS
APRIL (12 DAYS)	CH:1 UNITS AND MEASUREMENTS Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures, Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications.	Pr.1: To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. ACTIVITY.1: To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
MAY (22 DAYS)	CH: 2 MOTION IN A STRAIGHT LINE Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment). CH:3 MOTION IN A PLANE	Pr.2: To measure diameter of a given wire and thickness of a given sheet using screw gauge.

	Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration- projectile motion, uniform circular motion.	
JULY (25 DAYS)	PERIODIC TEST – I	SYLLABUS CH: 1,2
	<p>CH: 4 LAWS OF MOTION Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).</p> <p>CH: 5 WORK ENERGY AND POWER Work done by a constant force and a variable force; kinetic energy, work- energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.</p>	<p>Pr.3: To determine volume of an irregular lamina using screw gauge.</p> <p>ACTIVITY.2: To study the variation in range of a projectile with angle of projection.</p>
AUGUST (21 DAYS)	<p>CH: 6 SYSTEM OF PARTICLES AND ROTATIONAL MOTION Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).</p>	<p>ACTIVITY.3: To measure the force of limiting friction for rolling of a roller on a horizontal plane.</p> <p>Pr.4: To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.</p>

	<p>CH: 7 GRAVITATIONS</p> <p>Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite, energy of an orbiting satellite.</p>	
<p>SEPTEMBER (6 DAYS)</p>	<p>MID TERM EXAMINATION</p>	<p>Syllabus CH: 1,2,3,4,5,6 and 7</p>
<p>SEPTEMBER (POST EXAM 06 DAYS)</p>	<p>CH: 8 MECHANICAL PROPERTIES OF SOLIDS Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy. Application of elastic behavior of materials (qualitative idea only).</p>	<p>Pr.5: To find the force constant of a helical spring by plotting a graph between load and extension.</p>
<p>OCTOBER (19 DAYS)</p>	<p>CH: 9 MECHANICAL PROPERTIES OF FLUIDS Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift). Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.</p> <p>CH: 10 THERMAL PROPERTIES OF MATTER Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.</p>	<p>ACTIVITY.4: To study the effect of detergent on surface tension of water by observing capillary rise.</p>
<p>NOVEMBER (18 DAYS)</p>	<p>CH: 11 THERMODYNAMICS Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: Thermodynamic state variable and equation of state. Change of condition of gaseous</p>	<p>Pr.6: To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.</p> <p>ACTIVITY.5: To study the factors affecting the rate</p>

	<p>state - isothermal, adiabatic, reversible, irreversible, and cyclic processes.</p> <p>CH: 12 KINETIC THEORY OF GASES</p> <p>Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.</p>	of loss of heat of a liquid.
DECEMBER	PERIODIC TEST-II	SYLLABUS CH 8,9,10 and 11
DECEMBER (POST EXAM 12 DAYS)	<p>CH: 13 OSCILLATIONS</p> <p>Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.</p>	Pr.7: To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.
JANUARY (15 DAYS)	<p>CH: 14 WAVES</p> <p>Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.</p> <p style="text-align: center;">REVISION</p>	<p>ACTIVITY.6: To observe the decrease in pressure with increase in velocity of a fluid.</p> <p>Pr.8: To determine specific heat capacity of a given solid by method of mixtures.</p>
FEBRUARY/ MARCH	ANNUAL EXAMINATION	ENTIRE SYLLABUS



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Class – XI

CHEMISTRY (043)

Syllabus: 2026-27

MONTH & NO. OF DAYS	BOOK NCERT BOOK (CHAPTERS with topics)	SUGGESTED ACTIVITIES
April (12Days)	CH 1: Some basic concept of chemistry Strength of solutions like molarity, molality, mole fraction, Ppm, Mole concept, Avogadro's law, Galussac law, empirical and molecular formula, stoichiometry, average molar mass.	PRACTICAL: Aim: prepare M/40 solution of sodium carbonate. Aim: prepare M/20 solution of NaOH.
May (22 Days)	CH 2: Atomic structure Electromagnetic wave theory, Plank's quantum theory, Photoelectric effect, Bohr's theory, Spectrum and its type like hydrogen spectrum, Redberg's formula, nodes. De-Broglie equation, Aufbau principle, Hund's rule, Pauli exclusion principle CH:3 Classification of elements and their periodicity Introduction of Mendeleev's classification & modern law of classification.	Aim: prepare M/40 solution of sodium carbonate using it, find molarity of given HCl solution. Aim: prepare M/20 solution of NaOH using it find molarity of given HCl solution. For Assignments please Click
July (25 Days)	PERIODIC TEST -1	Syllabus: CH-1 Some basic concepts of chemistry CH -2 Structure of Atom
	CH:3 Classification of elements and their periodicity Nuclear force, atomic radius & its type, Enthalpy of ionization and factors affecting it like Screening effect, penetration effect, electronic effect, Electron gain enthalpy and diagonal relationship.	Aim: Identify the anions (acidic radicals) present in salt

	<p>CH:4 Chemical bonding and molecular structures Octet rule for bonding, molecular structures of octet deficient and expanded octet molecules, dipole moment, resonance, valence bond theory, Hybridization, M.O.T. Hydrogen bonding.</p>	
<p>August (21 Days)</p>	<p>CH 5:Thermodynamics Systemes, surrounding, Internal energy, state function, Extrensic &entrensic properties, Thermodynamic processes like isothermal, adiabatic, isochoric, isobaric process, first law of thermodynamics, pressure volume work, $\Delta H = \Delta E + \Delta n(g)RT$, heat capacity, specific heat, born-Haber cycle, Hesses law, enthalpy of neutralization Second law of thermodynamics. CH 6:Chemical equilibrium(to be covered after mid term exam)</p>	<p>Aim: Identify anion(acid radicals) in salt.</p>
<p>September (6 days)</p>	<p style="text-align: center;">MIDTERM EXAMINATION</p> <p>CH 6: Chemical equilibrium Law of mass action,relation of Kc, Kf and Kb and numerical based on it.Le-chatiller principle,Acid bases PH,Buffer solutions,Salts hydrolysis</p>	<p style="text-align: center;">Syllabus: CH 1: Some basic concept of chemistry CH2:Atomicstructure H3: Classification of elements and their periodicity CH4:Chemical bonding and molecular structures CH5:Thermodynamics</p> <p>For Assignments please Click</p> <p>Aim: Detect the cations(basic radicals) in given salt.</p>
<p>October (19 days)</p>	<p>CH 7: Redox Finding of oxidation states , type of redox reactions, balancing of ionic equations. CH 8: Some basic concept of organic ch.principles and techniques IUPAC naming, Fission of bonds, isomerism</p>	
<p>November (18 days)</p>	<p>CH 8: Some basic concept of organic ch.principles and techniques Resonance effect, type of reactions, hyperconjugation</p>	

December (21 Days)	<p style="text-align: center;">PERIODIC TEST II</p> <p>CH9: Hydrocarbon Preparation of alkanes, alkenes, alkynes and their physical and chemical properties. Hucle's rule preparation of benzene and its chemical properties.</p>	<p>Syllabus- Ch-5 equilibrium & CH-6 Redox</p> <p style="text-align: center;">For Assignments please Click</p>
January (15 Days)	REVISION	For Assignments please Click
February/ March	<p>PRACTICALS</p> <p>ANNUAL EXAMINATION</p>	ENTIRE SYLLABUS



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ANNUAL SYLLABUS

Session: 2026-27

CLASS XI

SUBJECT: BIOLOGY

MONTH & NO. OF DAYS	Books NCERT NCERT EXEMPLAR	Activities
April (12 Days)	<p>CH:5 MORPHOLOGY OF FLOWERING PLANTS Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae</p> <p>CH:6 ANATOMY OF FLOWERING PLANTS Anatomy and functions of tissue systems in dicots and monocots.</p> <p>CH:7 STRUCTURAL ORGANISATION IN ANIMALS. Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog.</p>	<ol style="list-style-type: none">1. To study parts of a compound microscope.2. Study of available common flowering plants- their families including dissection and display of floral whorls Solanaceae, Fabaceae, Liliaceae. (Study only from any one family)3. Study and identification of different types of inflorescences (cymose and racemose).4. Preparation and study of T.S. of dicot and monocot roots and stems (primary).

<p>May (22 Days)</p>	<p>Ch:1 THE LIVING WORLD Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature</p> <p>CH:2 BIOLOGICAL CLASSIFICATION Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.</p>	<p>5. Study of mitosis in onion root tip cells and animal cells through permanent slides.</p> <p>6. Study of plasmolysis in epidermal peel of leaf.</p> <p>7. Study of osmosis by potato osmometer.</p> <p>8. Study of distribution of stomata in the upper and lower surface of leaves.</p> <p>For Assignments please Click</p>
<p>July (25 Days)</p>	<p style="text-align: center;">PERIODIC TEST- I (Biology Exam)</p> <p>CH:3 PLANT KINGDOM Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiosperms.</p> <p>CH:4 ANIMAL KINGDOM Salient features and classification of animals, non-chordates up to phyla level and chordates upto class level (salient features and at a few examples of each category). (No live animals or specimen should be displayed.)</p>	<p style="text-align: center;">SYLLABUS CH. 5,6,7</p> <p>Activity1:-Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.</p> <p>Activity2: Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit</p> <p>For Assignments please Click</p>
<p>August (21 Days)</p>	<p>CH: 8 CELL: THE UNIT OF LIFE Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.</p> <p>CH:10 CELL CYCLE AND CELL DIVISION Cell cycle, mitosis, meiosis and their significance</p> <p>CH:11 PHOTOSYNTHESIS IN HIGHER PLANTS Photosynthesis as a means of autotrophic nutrition; site of</p>	<p>9. Study of rate of transpiration in upper and lower surface of leaves.</p> <p>10. Separation of plant pigments through paper chromatography.</p> <p>11. Study the rate of respiration in flower buds/ leaf tissue and germinating seeds.</p> <p>For Assignments please Click</p>

	photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.	
September (17 days)	MID TERM EXAMINATION (Biology Exam)	SYLLABUS: CH 1,2,3,4,5,6,7,8,10,11 For Assignments please Click
September (Post exam 06 Days)	CH:12 RESPIRATION IN PLANTS Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated.	12. Test for the presence of sugar, starch, proteins and fats in suitable plants and animal sources
October (19 Days)	CH:12 RESPIRATION IN PLANTS (Cont) – amphibolic pathways; respiratory quotient. CH:13 PLANT GROWTH AND DEVELOPMENT Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA. CH:14 BREATHING AND EXCHANGE OF GASES Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.	13. Study of bones and joints of human skeleton. For Assignments please Click
November (18 Days)	CH:15 BODY FLUIDS AND CIRCULATION Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system -	

	<p>Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.</p> <p>CH:16 EXCRETORY PRODUCTS AND THEIR ELIMINATION</p> <p>Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.</p> <p>CH:17 LOCOMOTION AND MOVEMENT</p> <p>Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.</p>	<p>14. Test for presence for sugar in urine. 15. Test for presence for albumin in urine. 16. Test presence of urea in urine.</p> <p>For Assignments please Click</p>
<p>December (09 Days)</p>	<p>PERIODIC TEST II (Biology Exam)</p>	<p>SYLLABUS CH-- 15,16,17,18</p>
<p>December (Post exam 12 Days)</p>	<p>CH:18 NEURAL CONTROL AND COORDINATION</p> <p>Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse</p> <p>CH:19 CHEMICAL COORDINATION AND INTEGRATION</p> <p>Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease</p>	<p>For Assignments please Click</p>
<p>January (15 Days)</p>	<p>CH: 9 BIOMOLECULES</p> <p>Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded:</p>	<p>For Assignments please Click</p>

	Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents Concept of Metabolism, Metabolic Basis of Living, The Living State)	
February/ March	REVISION ANNUAL EXAMINATION	For Assignments please Click ENTIRE SYLLABUS



Brain International School

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Computer Science (083)

Class : XI

Syllabus : 2026-27

Month	Textbook – Computer Science with Python by Preeti Arora Reference Book – NCERT	Activities
April (12 Days)	Chapter 1: Computer System Organization <ul style="list-style-type: none">• Introduction to Computers• Evolution of Computing Devices• Basic Organization of a Computer System (CPU, ALU, CU, Memory, I/O)• Units of Memory (Bit, Byte, KB, MB, GB, TB)• Types of Memory — Primary Memory (RAM, ROM) and Secondary Memory• Data Transfer between Memory and CPU• Microprocessors, Data and Information, Software	<ul style="list-style-type: none">❖ .Learn to identify and describe the basic components of a computer system❖ understand the role of the CPU in the computer system.❖ Understand the role of an Operating System in managing hardware and software resources.❖ Understand the distinction between System Software and Application Software.
May (22 Days)	Chapter 2: Data Representation and Boolean Logic <ul style="list-style-type: none">• Number Systems ,Conversion Between Number Systems• Encoding Schemes ,Boolean Logic• Boolean Algebra• Logic Gates — AND, OR, NOT, NAND, NOR, XOR, XNOR• Truth Tables Chapter 3: Getting Started with Python <ul style="list-style-type: none">• Introduction to Python, Features of Python• Python Tokens ,Variables and Concept of l-value and r-value• Use of Comments in Python Chapter 4: Python Programming Fundamentals <ul style="list-style-type: none">• Mutable and Immutable Data Types	<ul style="list-style-type: none">❖ Practice number system conversions from one number system to another❖ Create truth tables❖ Simplify boolean expressions❖ Design and build logic gates❖ Explore the interface of IDLE and practice in lab

	<ul style="list-style-type: none"> ● Keywords in Python, Expressions ● Operators, Indentation in Python ● Rules and Conventions for Writing Python Programs ● Comments, Debugging 	
	PERIODIC TEST – I	Syllabus: Ch 1,2,3,4 For Assignments please Click
July (25 Days)	Chapter 5: Conditional and Looping Constructs <ul style="list-style-type: none"> ● Introduction ● Types of Statements in Python ● Program Control Flow ● Use of Indentation ● Conditional Statements ● Iteration / Looping ● Nested Loops ● Jump Statements 	<ul style="list-style-type: none"> ❖ Practice the concept of mutability and immutability ❖ Evaluate various arithmetic, logical and relational expression ❖ Print 10 programs of sequential, conditional and looping flows of a python program, after executing all programs in computer lab and make practical file.
August (21 Days)	Chapter 6: Strings in Python <ul style="list-style-type: none"> ● Introduction, Creating Strings ● Accessing Characters (Indexing) in a String ● Traversing a String ● Special String Operations ● String Methods and Built-in Functions 	<ul style="list-style-type: none"> ❖ Learn to use strings. practice slicing and inbuilt functions of strings in lab. ❖ Execute string programs in lab ❖ Identify different types of malware (virus, worm, trojan, ransomware, spyware)
September	MID TERM EXAMINATION	Syllabus: Ch 1,2,3,4,5,6 For Assignments please Click
September (Post exam) 06 Days)	Chapter 7: Lists in Python <ul style="list-style-type: none"> ● Introduction ● Creating a List, Accessing Elements in a List (Indexing) ● Traversing a List, List Operations, List Slicing 	<ul style="list-style-type: none"> ❖ Learn to use lists. practice slicing and inbuilt functions of list in lab. ❖ Execute lists programs in lab

<p>October (19 Days)</p>	<p>Chapter 7: Lists in Python (Continued)</p> <ul style="list-style-type: none"> List Methods and Built-in Functions Nested Lists List Manipulation <p>Chapter 8: Tuples and Dictionary</p> <p>Tuples:</p> <ul style="list-style-type: none"> Introduction to Tuples Creating Tuples, Accessing and Traversing a Tuple Nesting of Tuples Common Tuple Operations Tuple Methods and Built-in Functions <p>Dictionary:</p> <ul style="list-style-type: none"> Introduction to Dictionary Creating a Dictionary (various methods) Accessing Elements in a Dictionary Traversing a Dictionary Appending Values to a Dictionary Updating Elements in a Dictionary Removing Items from a Dictionary Membership Operator in Dictionary (in / not in) Common Dictionary Functions and Methods 	<ul style="list-style-type: none"> ❖ Learn to differentiate lists and tuples. ❖ Practice in Lab ❖ Practice various programs of tuples and practice tuple functions in lab ❖ Practice various programs of dictionaries and practice tuple functions in lab
<p>November (18 Days)</p>	<p>Chapter 9: Introduction to Python Modules</p> <ul style="list-style-type: none"> Introduction to Modules What is a Module? Importing Python Modules Module Aliasing (import...as) Member Aliasing (from...import...as) Locating Modules Standard Library Modules Creating User-Defined Modules 	<ul style="list-style-type: none"> ❖ Create a python module containing functions for finding areas of various shapes.
<p>December (21 Days)</p>	<p style="text-align: center;">PERIODIC TEST 2</p>	<p style="text-align: center;">Syllabus: Ch 7,8,9 For Assignments please Click</p>
	<p>Chapter 10: Society, Law and Ethics</p> <ul style="list-style-type: none"> Introduction Digital Footprint 	<ul style="list-style-type: none"> ❖ Understand the concept of digital footprint and its implications ❖ Follow proper net and communication etiquettes

	<ul style="list-style-type: none"> ● Net and Communication Etiquettes ● Data Protection and Privacy ● Intellectual Property Rights (IPR), Plagiarism ● Licensing and Copyright ● Cyber Crime and Cyber Law and Indian IT Act ● E-waste Management 	<ul style="list-style-type: none"> ❖ Understand the importance of data protection and privacy ❖ Explain Intellectual Property Rights (IPR) and the need to respect them ❖ Identify and avoid plagiarism in digital content ❖ Differentiate between types of software licensing (proprietary, FOSS, Creative Commons)
January (15 Days)	<p>Chapter 11: Cyber Safety</p> <ul style="list-style-type: none"> ● Introduction to Cyber Safety ● Safely Browsing the Web ● Identity Protection ● Confidentiality of Information ● Cyber Threats ● Firewalls — Purpose and Types ● Cookies — Types and Risks ● Cyber Safety Tips and Best Practices <p style="text-align: center;">REVISION</p>	<ul style="list-style-type: none"> ❖ Identify different types of malware (virus, worm, trojan, ransomware, spyware) ❖ Understand threats like hacking, phishing, vishing, and online fraud ❖ Recognise cyberbullying and know how to respond to it ❖ Understand the role of firewalls in network security ❖ Understand how cookies work and associated privacy risks
February /March	ANNUAL EXAMINATION	ENTIRE SYLLABUS For Assignments please Click



Brain International School

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Vikas Puri, New Delhi

Class – XI

Subject – MATHEMATICS (041)

Syllabus: 2026-27

MONTH & NO. OF DAYS	BOOK NCERT BOOK	SUGGESTED ACTIVITIES
<p>April (12 Days)</p>	<p>Ch 1 SETS</p> <p>Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement</p> <p>CHAPTER 2 RELATIONS AND FUNCTIONS</p> <p>Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (up to $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$).</p>	
<p>May (22 days)</p>	<p>Ch 2 RELATIONS AND FUNCTIONS</p> <p>Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions</p> <p>CHAPTER 3 TRIGONOMETRIC FUNCTIONS</p>	<p>Activity 1 : To represent set theory operations using venn diagrams</p> <p>Activity 2 : To identify a relation and a functions</p>

Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Deducing identities like the following:

$$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \mp \cot y}{\cot y \pm \cot x}$$

$$\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$$

$$\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$$

$$\cos \alpha - \cos \beta = -2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$$

Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.

CH 4 COMPLEX NUMBERS

Need for complex numbers, especially $\sqrt{-1}$, to be motivated by the inability to solve some of the quadratic equations. Algebraic properties of complex numbers, Argand plane.

Activity 3: to verify the relation between the degree measure and the radian

For Assignments please [Click](#)

<p>July (25 Days)</p>	<p>Ch 5 LINEAR INEQUALITIES Linear inequalities, algebraic solutions of linear inequalities in one variable and their representation on the number line.</p> <p>CHAPTER 6 PERMUTATIONS AND COMBINATIONS The fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.</p>	<p>Activity 4 :to interpret geometrically the meaning of iota</p> <p>Activity 5 to find no. Of ways in which three card can be selected from given 5 cards</p>
<p>August (21 Days)</p>	<p>CH 7 BINOMIAL THEOREM Historical perspective, statement and proof of the binomial theorem for positive integral indices, Pascal’s triangle, simple applications.</p> <p>CHAPER 8 SEQUENCE AND SERIES Sequene and series, arithmetic progression (A. P.), arithmetic mean (A.M.), geometric progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.</p>	<p>Activity 6 : binomial expansion using pascal diagram</p> <p>Activity 7: to demonstrate that the A.M. two different positive no.</p>
<p>September (17 Days)</p>	<p style="text-align: center;">MIDTERM EXAMINATION</p>	<p>SYLLABUS MID TERM</p> <p>CH 1 SETS CH 2 RELATIONS</p> <p>CH 3 TRIGO CH 4 COMPLEX NO</p> <p>. CH 5 INEQUALITY</p> <p>CH 6 PERMUTATIONS & COMBINATIONS</p> <p>CH 7 BINOMIAL</p> <p>CH 8 SEQUENCES & SERIES</p> <p style="text-align: right;">:</p>

		For Assignments please Click
September (Post exam) (06 Days)	<p>CHAPTER 9 STRAIGHT LINES</p> <p>Brief recall of two-dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form,</p>	
October (19 Days)	<p>CHAPTER 9 STRAIGHT LINES</p> <p>Slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Distance of a point from a line.</p> <p>CHAPTER 10 CONIC SECTIONS</p> <p>Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola,</p>	Activity 8 to construct different type of conic sections
November (18 days)	<p>CHAPTER 10 CONIC SECTIONS</p> <p>Ellipse and hyperbola. Standard equation of a circle</p> <p>CHAPTER 11 INTRODUCTION TO THREE-DIMENSIONAL GEOMETRY</p> <p>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.</p>	
December (21 days)	PERIODIC TEST- II	<p>SYLLABUS</p> <p>CH 9 STRAIGHT LINES</p> <p>CH 10 CONIC SECTIONS</p> <p>CH 11 3D</p> <p>For Assignments please Click</p>

	<p>CH 12 LIMITS AND DERIVATIVES</p> <p>Derivative introduced as rate of change both as that of distance function and geometrically, intuitive idea of limit, limits of polynomials and rational functions trigonometric, exponential and logarithmic functions, definition of derivative relate it to the slope of the tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.</p> <p>CH 13 STATISTICS</p> <p>Measures of Dispersion: Range, mean deviation, variance and standard deviation of ungrouped/grouped data.</p>	<p>Activity 9 :to find analytically</p> $\lim_{x \rightarrow c} f(x) = \frac{x^2 - 9}{x - 3}$
<p>January (15 Days)</p>	<p>CHAPTER 14 PROBABILITY</p> <p>Events; occurrence of events, ‘not’, ‘and’ and ‘or’ events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of ‘not’, ‘and’ and ‘or’ events.</p>	<p>For Assignments please Click</p> <p>Activity 10: to write the sample space when a die is rolled once , twice, thrice,...</p>
<p>February/ March</p>	<p>PRACTICAL ANNUAL EXAMINATION</p>	<p>ENTIRE SYLLABUS</p>



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Class – XI

ECONOMICS (030)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Books -MICROECONOMICS (SANDEEP GARG) - STATISTICS (SANDEEP GARG)	SUGGESTED ACTIVITIES
<p>April (12 Days)</p>	<p><u>MICROECONOMICS</u></p> <p>CH 1 INTRODUCTION Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.</p>	<ul style="list-style-type: none"> ❖ Evaluate the effect of various Govt policies on PPC of our country.
<p>May (22 Days)</p>	<p><u>MICROECONOMICS</u></p> <p>CH 2 CONSUMER'S EQUILIBRIUM Consumer's equilibrium – meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.</p> <p>CH 3 DEMAND Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve.</p> <p>CH 4 ELASTICITY OF DEMAND Price elasticity of demand - factors affecting price elasticity of demand;</p>	<ul style="list-style-type: none"> ❖ Collect information regarding Normal and inferior goods in the domestic market. ❖ List out various factors affecting demand of a commodity ❖ Evaluate the elasticities of various daily life goods.

	measurement of price elasticity of demand – percentage-change method and total expenditure method	
July (25 Days)	PERIODIC TEST – I	Syllabus: Ch.- 1,2,3,4 For Assignments please Click
	<p><u>STATISTICS</u></p> <p>CH 1 INTRODUCTION What is Economics? Introductory Terms.</p> <p>CH 3 COLLECTION OF DATA Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.</p> <p>CH 2 MEANING, SCOPE, AND IMPORTANCE OF STATISTICS Meaning, scope, functions and importance of statistics in various areas.</p> <p>CH 4 ORGANIZATION OF DATA Meaning and types of variables; Frequency Distribution.</p>	❖ CBSE Project Work
August (21 Days)	<p><u>MICROECONOMICS</u></p> <p>CH 5 PRODUCTION FUNCTION Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product.</p> <p>CH 6 COST Returns to a Factor Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.</p> <p><u>STATISTICS</u></p> <p>CH 5 TABULAR PRESENTATION CH 6 DIAGRAMMATIC PRESENTATION Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).</p> <p>REVISION</p>	<p>❖ Prepare a Cost-Revenue analysis of your new imaginary firm.</p> <p>❖ Collect information on various types of implicit and explicit cost involved in a business.</p>

	<p><u>MICROECONOMICS</u></p> <p>CH 9 SUPPLY Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve. Price elasticity of supply; measurement of price elasticity of supply - percentage-change method.</p> <p>CH 10 FORMS OF MARKET Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)</p> <p>REVISION</p>	
December (21 Days)	PERIODIC TEST- II	<p>Syllabus: Microeconomics 7,8 Statistics : Ch 8,9</p> <p>For Assignments please Click</p>
	<p><u>MICROECONOMICS</u></p> <p>CH 11 PRICE DETERMINATION AND SIMPLE APPLICATION Simple Applications of Demand and Supply: Price ceiling, Price floor</p> <p><u>STATISTICS</u></p> <p>CH 10 MEASURES OF CORRELATION meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).</p>	
January (15 Days)	<p><u>STATISTICS</u></p> <p>CH 11 INDEX NUMBERS meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.</p> <p>REVISION</p>	For Assignments please Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS

PROJECT WORK (ANY ONE):

Marks Distribution –

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	TOTAL	20 Marks

Suggestive List of Projects: Class XI

- Effect on PPC due to various government policies

Invisible Hand (Adam Smith)

- Opportunity Cost as an Economic Tool (taking real life situations)
- Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
- Effect on Equilibrium Prices in Local Market (taking real life situation or recent news)
- Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
- Solar Energy, a Cost-Effective Comparison with Conventional Energy Sources
- Bumper Production- Boon or Bane for the Farmer
- Any other newspaper article and its evaluation on basis of economic principles
- Any other topic



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Class – XI

ACCOUNTANCY (055)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Books -Accountancy (NCERT) -Double Entry Book Keeping (T.S Grewal)	SUGGESTED ACTIVITIES
<p>April (12 Days)</p>	<p>CH.2 BASIC ACCOUNTING TERMS Entity, Account, Business Transaction, Capital, Drawings, Liabilities (Non- Current and Current), Assets (Non- Current, Current); Expenditure (Capital, Revenue and Deferred Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Purchase Return, Sales Return, Goods, Stock, Trade Receivables, Trade Payables, Voucher, Discount (Trade discount and Cash Discount), Cost, Rebate, Balance Sheet, Bad Debts, Book value, Books of Account, Credit, Debit, Depreciation, Entry, Insolvent, Solvent, Proprietor, Final Accounts.</p> <p>CH.5 ACCOUNTING EQUATION Meaning, effect of transactions, process of preparing Accounting Equation, rules for Accounting Equation, effect of adjustment transactions on Accounting Equation.</p>	<ul style="list-style-type: none"> ❖ Prepare a PPT on Assets and Liabilities ❖ Prepare a case study on a new start up and record its business transactions in an Accounting Equation.
<p>May (22 Days)</p>	<p>CH.1 INTRODUCTION TO ACCOUNTING Accounting- concept, meaning, as a source of information, characteristics, process, branches, functions, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs, qualitative characteristics of Accounting Information, Role of Accounting in business, Book Keeping, Accounting and Accountancy, systems of accounting.</p>	<ul style="list-style-type: none"> ❖ Prepare a scrap file on different types of vouchers.

	<p>CH.3 THEORY BASE OF ACCOUNTING, ACCOUNTING STANDARDS AND IND AS Accounting Principles- meaning, nature, necessity; Fundamental accounting assumptions; Accounting Principles: Business Entity, Money Measurement, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Verifiable; Accounting Standards- meaning, nature, concept, objectives, utility, limitations; IFRS & Ind AS.</p> <p>CH.4 BASIS OF ACCOUNTING Basis of Accounting- Cash and Accrual; Difference between cash basis and accrual basis of accounting.</p> <p>CH.6 RULES OF DEBIT & CREDIT Meaning of an account, debit, credit, rules of debit and credit, classification of accounts, balancing of an account, significance of debit and credit balance in accounts.</p> <p>CH.7 SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS Source documents and Vouchers; Preparation of Vouchers</p>	
<p>July (25 Days)</p>	<p>PERIODIC TEST – I</p> <p>CH.8 BOOKS OF ORIGINAL ENTRY – JOURNAL Meaning, features, advantages, limitations, process; simple and compound journal entries, discount and rebate, opening journal entry.</p> <p>CH.9 BOOKS OF ORIGINAL ENTRY – LEDGER Meaning, features, utilities, posting and balancing of accounts.</p> <p>CH.14 TRIAL BALANCE Meaning, features, objectives, limitations and preparation of Trial balance.</p> <p>CH-10 SPECIAL PURPOSE BOOKS I- CASH BOOK Simple cash book, Double column cash book and Petty cashbook</p>	<p>Syllabus: Ch.- 1,2,3,5</p> <p>For Assignments please Click</p> <ul style="list-style-type: none"> ❖ Prepare a mind map on types of Journal Entries. ❖ Prepare Cash Book of any sole proprietor.

<p>August (21 Days)</p>	<p>CH.11 SPECIAL PURPOSE BOOKS II- OTHER BOOKS Purchases book, Sales book, Purchases return book, Sales return book, Journal proper</p> <p>CH.12 GOODS AND SERVICES TAX Meaning, objectives, features, categories, accounting entries</p> <p>CH.13 BANK RECONCILIATION STATEMENT Need and preparation of Bank Reconciliation Statement</p> <p>REVISION</p>	<p>CBSE Project Work</p>
<p>September (6 Days)</p>	<p>MID TERM EXAMINATION</p> <p>CH.15 DEPRECIATION</p> <ul style="list-style-type: none"> • Depreciation: Meaning, Features, Need, Causes, factors • Other similar terms: Depletion and Amortization • Methods of Depreciation: Straight Line Method (SLM) Written Down Value Method (WDV) Note: Excluding change of method <ul style="list-style-type: none"> ○ Difference between SLM and WDV; Advantages of SLM and WDV • Methods of recording depreciation • Charging to asset account 	<p>Syllabus: Ch.1,2,3,4,5,6,7,8,9,10,12,14</p> <p>For Assignments please Click</p> <ul style="list-style-type: none"> ❖ Quiz ❖ CBSE Project Work
<p>October (19 Days)</p>	<p>CH.15 DEPRECIATION</p> <ul style="list-style-type: none"> • Creating provision for depreciation/accumulated depreciation account • Treatment for disposal of asset <p>CH.16 PROVISIONS AND RESERVES</p> <ul style="list-style-type: none"> • Meaning and features of Provisions and Reserves • Difference between Provisions and Reserves • Types of Reserves: <ol style="list-style-type: none"> i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve • Difference between capital and revenue reserve <p>CH.17 RECTIFICATION OF ERRORS Classification-errors of omission, commission, principles, and</p>	<p>CBSE Project Work</p>

	compensating; their effect on Trial Balance; Detection and rectification of errors; Preparation of suspense account.	
November (18 days)	<p>CH.18 FINANCIAL STATEMENTS OF SOLE PROPRIETORSHIP Meaning, objectives and importance; Revenue and Capital receipts. Revenue and Capital expenditure; Deferred Revenue expenditure. Opening journal entry. Trading and Profit and Loss Account: Gross Profit, Operating Profit and Net Profit. Preparation of trading, Profit & Loss Account and Balance Sheet, grouping and marshalling of assets and liabilities.</p> <p>CH.19 ADJUSTMENTS IN THE PREPARATION OF FINANCIAL STATEMENTS Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors.</p> <p>REVISION</p>	CBSE Project Work
December (21 Days)	PERIODIC TEST- II	Syllabus: Ch. 13,15,16,17 For Assignments please Click
	<p>CH.19 ADJUSTMENTS IN THE PREPARATION OF FINANCIAL STATEMENTS Abnormal loss, goods taken for personal use/staff welfare, interest on capital, drawings and manager's commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.</p>	
January (15 Days)	<p>CH.20 ACCOUNTING FROM INCOMPLETE RECORDS Features, Reasons and limitations of incomplete records, Ascertainment of Profit/Loss by Statement of Affairs method (excluding conversion method).</p> <p>REVISION</p>	For Assignments please Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS
PROJECT WORK (ANY ONE):		

1. Collection of source documents, preparation of vouchers, recording of transactions with the help of vouchers.
2. Preparation of Bank Reconciliation Statement with the given cash book and the pass book with twenty to twenty-five transactions.
3. Comprehensive project of any sole proprietorship business. This may state with journal entries and their ledgering, preparation of Trial balance. Trading and Profit and Loss Account and Balance Sheet. Expenses, incomes and profit (loss), assets and liabilities are to be depicted using pie chart / bar diagram. This may include simple GST related transactions.



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Class – XI

BUSINESS STUDIES (054)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Books NCERT Reference Book: By Subhash Dey (Shree Radhey Publications)	SUGGESTED ACTIVITIES
April (12 Days)	<p>CH.1 NATURE AND PURPOSE OF BUSINESS</p> <ul style="list-style-type: none"> • Business – meaning and characteristics • Business, profession and employment-Concept • Objectives of business (Economics and Social objectives and role of profit in Business) • Classification of business activities – Industry and Commerce • Industry-types: primary, secondary, tertiary s– Meaning and subgroups. • Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing communication, and advertising) – meaning • Business Risk-Concept 	<p>Flow chart on types of industries.</p>
May (22 Days)	<p>CH.2 FORMS OF BUSINESS ORGANISATION</p> <ul style="list-style-type: none"> • Sole Proprietorship-Concept, merits and limitations. • Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners, • Hindu Undivided Family Business: Concept • Cooperative Societies-Concept, merits, and limitations. • Company-Concept, merits and limitations; Types: Private, Public and One person company-concept • Choice of form of business organization (Factors Affecting Choice) 	<p>Cartoon making on different forms of business organisation.</p>

	<p>CH.7 FORMATION OF A COMPANY</p> <ul style="list-style-type: none"> • Formation of company-stages, important documents to be used in formation of a company. 	
<p>July (25 Days)</p>	<p>PERIODIC TEST – I</p>	<p>Syllabus: Ch.- 1,2</p> <p>For Assignments please Click</p> <p>Case study of any one MNC</p>
	<p>CH.3 PUBLIC, PRIVATE AND GLOBAL ENTERPRISES</p> <ul style="list-style-type: none"> • Public sector and private sector enterprises – Concept • Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company (Features, Merits and Limitations) • Global enterprises-features, Joint Venture • Public private partnership – concept (Meaning and Features) <p>CH.4 BUSINESS SERVICES</p> <ul style="list-style-type: none"> • Business services – meaning and types. • Banking: Types of bank accounts – savings, current, recurring, fixed deposit and multiple option deposit accounts. • Banking services with particular reference to Bank Draft, Bank Overdraft, Cash Credit and E-Banking- Meaning, Types of digital payments • Insurance-: Principles, Types – life, health, fire and marine insurance - concept. • Postal services: Mail, Registered Post, Parcel, Speed Post and Courier-meaning Unit 5: Emerging Modes of Business 	
<p>August (21 Days)</p>	<p>CH.5 EMERGING MODES OF BUSINESS</p> <p>E-business-(concept) scope and benefits</p> <p>CH.6 SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS</p> <ul style="list-style-type: none"> • Concept of social responsibility • Case of social responsibility • Responsibility towards owners, investors, consumers, employees, government and community. <p>REVISION</p>	<ul style="list-style-type: none"> ❖ CBSE Project Work ❖ PPT on modes of Digital Payments
<p>September (6 Days)</p>	<p>MID TERM EXAMINATION</p>	<p>Syllabus: Ch.1,2,3,4,5,7</p> <p>For Assignments please Click</p>
	<p>CH.6 SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS</p> <ul style="list-style-type: none"> • Role of business in environment protection 	<ul style="list-style-type: none"> ❖ PPT on CSR initiative by any one Private Sector organisation ❖ CBSE Project Work

	<ul style="list-style-type: none"> • Business Ethics-Concept and Elements 	
October (19 Days)	<p>CH.8 SOURCES OF BUSINESS FINANCE</p> <ul style="list-style-type: none"> • Concept of business finance • Owners’ funds—equity shares, preferences share • retained earning • Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). <p>CH.9 SMALL BUSINESS AND ENTREPRENEURSHIP</p> <ul style="list-style-type: none"> • Small scale enterprise as defined by MSMED Act 2006 • (Micro, Small and Medium Enterprise Development Act) • Role of small business in India with special reference to rural areas. • Government schemes and agencies for small scale industries. • National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas. 	CBSE Project Work
November (18 days)	<p>CH.9 SMALL BUSINESS AND ENTREPRENEURSHIP</p> <ul style="list-style-type: none"> • Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up • Intellectual Property Rights and Entrepreneurship. <p>CH.10 INTERNAL TRADE</p> <ul style="list-style-type: none"> • Internal Trade-meaning and types, Services rendered by a wholesaler and a retailer • Types of retail-trade: Itinerant and small-scale fixed shops retailers • Large scale retailers-Departmental stores, chain stores –concept <p>REVISION</p>	CBSE Project Work
December (21 Days)	<p>PERIODIC TEST- II</p>	<p>Syllabus: Ch. 6,8,9</p> <p>For Assignments please Click</p>
	<p>CH.10 INTERNAL TRADE (CONTD.) GST (Goods and Service Tax): Concept and key-features</p> <p>CH.11 INTERNATIONAL BUSINESS</p> <ul style="list-style-type: none"> • International Trade: concept and benefits • Export trade—Meaning and procedure • Import Trade—Meaning and procedure 	Mind Map on Export Process

	<ul style="list-style-type: none"> • Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP) 	
January (15 Days)	CH.11 INTERNATIONAL BUSINESS World Trade Organization (WTO) meaning and objectives REVISION	For Assignments p lease Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS

PROJECT WORK (ANY ONE):

- a) Field Visit (visit to a Handicraft Unit, visit to an Industry, visit to a wholesale market, visit to a departmental store, visit to a mall)
- b) Case study on a Product
- c) Aids to Trade
- d) Import/ Export Procedure
- e) A visit to any State Emporium



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INFORMATICS PRACTICES (065)

Class : XI

Syllabus : 2026-27

Month	Textbook – Informatics Practices by Preeti Arora Reference Book – NCERT	Activities
April (12 Days)	<p>Chapter 1: Computer System</p> <ul style="list-style-type: none">● Introduction to Computers● Evolution of Computing Devices● Basic Organization of a Computer System (CPU, ALU, CU, Memory, I/O)● Units of Memory (Bit, Byte, KB, MB, GB, TB)● Types of Memory — Primary Memory (RAM, ROM) and Secondary Memory● Data Transfer between Memory and CPU● Microprocessors, Data and Information, Software <p>Chapter 2: Getting Started with Python</p> <ul style="list-style-type: none">● Introduction to Python● Features of Python● Advantages, Limitations of Python● Execution Modes● Structure of a Python Program	<ul style="list-style-type: none">❖ . Learn to identify and describe the basic components of a computer system❖ understand the role of the CPU in the computer system.❖ Understand the role of an Operating System in managing hardware and software resources.❖ Understand the distinction between System Software and Application Software.
May (22 Days)	<p style="text-align: center;">REVISION</p> <p>Chapter 3 : Python Programming Fundamentals</p> <ul style="list-style-type: none">● Indentation in Python● Python Character Set● Tokens in Python	<ul style="list-style-type: none">● Explore the interface of python IDLE in lab.

	<ul style="list-style-type: none"> ● Variables — Concept, l-value and r-value ● Use of Comments ● Data Types in Python ● Mutable and Immutable Data Types ● Statements and Expressions ● Operators in Python ● Precedence of Operators ● Input and Output Statements (input(), print()) ● Data Type Conversion (Implicit and Explicit) ● Debugging 	<ul style="list-style-type: none"> ● Practice the concept of mutability and immutability ● Evaluate various arithmetic, logical and relational expression <p style="text-align: center;">Practice in Lab</p>
July (25 Days)	PERIODIC TEST – I	Syllabus: Ch 1,2,3 For Assignments please Click
	<p>Chapter 4: Conditional and Looping Constructs</p> <ul style="list-style-type: none"> ● Control Statements — Introduction ● Types of Statements in python ● Conditional Statements ● Decision making statements ● Iteration ● For loop ● While loop <p>Chapter 5: Lists in Python</p> <ul style="list-style-type: none"> ● Creating and Initializing Lists ● Accessing Elements (Indexing) ● Traversing a List ● List Slicing ● List Operations (Concatenation, Repetition, Membership) ● List Methods and Built-in Functions 	<ul style="list-style-type: none"> ❖ Practice the concept of mutability and immutability ❖ Evaluate various arithmetic, logical and relational expressions ❖ Print 10 programs of sequential, conditional and looping flows of a python program , ❖ Practice all programs in the computer lab and make a practical file.

<p>August (21 Days)</p>	<p>Chapter 6: Dictionary</p> <ul style="list-style-type: none"> ● Introduction to Dictionary ● Concept of Key-Value Pair ● Creating and Initializing a Dictionary ● Accessing Elements in a Dictionary ● Traversing a Dictionary, Updating ,Deleting Elements ● Dictionary Methods and Built-in Functions <p>Chapter 7 : NumpyI</p> <ul style="list-style-type: none"> ● Introduction to Numpy module ● Installing and working with numpy ● Creation of 1D numpy array ● Creation of 2D numpy array 	<ul style="list-style-type: none"> ❖ Learn to use lists, practice slicing and inbuilt functions of list in lab ❖ Execute programs of lists in lab ❖ Learn to differentiate lists and dictionaries ❖ Practice various programs of dictionaries in lab ❖ Practice creation of 1D and 2D arrays in lab
<p>September</p>	<p>MID TERM EXAMINATION</p>	<p>Syllabus: Ch 1,2,3,4,5,6,7 For Assignments please Click</p>
<p>September (Post exam 06 Days)</p>	<p>Chapter 8: Database Concepts</p> <ul style="list-style-type: none"> ● Introduction to Database and Its Need ● Limitations of Traditional File System ● Database Management System (DBMS) ● Relational Data Model ● Introduction to MySQL ● Data Types in MySQL 	<ul style="list-style-type: none"> ❖ Understand the concept of Data storage in DBMS software, Primary key, Candidate key, Alternate key, foreign key ❖ Differentiate between a flat database and relational database.
<p>October (19 Days)</p>	<p>Chapter 9: Structured Query Language (SQL)</p> <ul style="list-style-type: none"> ● Introduction to SQL and MySQL ● Creating a Database (CREATE DATABASE) <p>Data Definition Language (DDL): Data Query Language (DQL): Data Manipulation Language (DML):</p>	<ul style="list-style-type: none"> ❖ Create student table with minimum 10 records and practice DDL, DML and DQL commands ❖ Insert records in table

November (17 Days)	<p>Chapter 9: Structured Query Language (SQL) (Continued)</p> <ul style="list-style-type: none"> ● SELECT statement ● FROM clause ● WHERE clause with Relational Operators (=, >, <, >=, <=, !=) ● BETWEEN operator ● Logical Operators (AND, OR, NOT) ● IS NULL / IS NOT NULL 	<ul style="list-style-type: none"> ❖ Delete and update the content ❖ Delete columns, add columns, change column definition ❖ Practice Select command with various operators
December (21 Days)	PERIODIC TEST 2	Syllabus: Ch 8,9 For Assignments please Click
	<p>Chapter 10: Emerging Trends</p> <ul style="list-style-type: none"> ● Artificial Intelligence (AI) ● Machine Learning (ML) ● Natural Language Processing (NLP) ● Immersive Experience 	<ul style="list-style-type: none"> ❖ Understand the recent trends in computing and information technology like AI, Robotics, Big data, IoT, Cloud computing, ML, Grid computing etc .
January (15 Days)	<p>Chapter 10: Emerging Trends (Continued)</p> <ul style="list-style-type: none"> ● Robotics ● Big Data ● Internet of Things (IoT) ● Cloud Computing ● Grid Computing ● Blockchain Technology <p style="text-align: center;">REVISION</p>	<ul style="list-style-type: none"> ❖ Identify where these technologies are being used.
February /March	ANNUAL EXAMINATION	ENTIRE SYLLABUS For Assignments please Click



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Class – XI

POLITICAL SCIENCE (028)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Textbook –NCERT, <u>PART A- INDIAN CONSTITUTION AT WORK</u> <u>PART B-POLITICAL THEORY</u>	SUGGESTED ACTIVITIES
<p>April (12 Days)</p>	<p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch-1 Constitution: Why and How? a) Why do we need a Constitution? • Constitution allows coordination and assurance • Specification of decision-making powers • Limitations on the powers of government • Aspirations and goals of a society • Fundamental identity of a people b) The authority of a Constitution • Mode of promulgation • The substantive provisions of constitution • Balanced institutional design c) How was the Indian Constitution made? • Composition of the Constituent Assembly • Procedures • Inheritance of the nationalist movement • Institutional arrangements d) Provisions adapted from Constitutions of different countries</p> <p><u>PART B-POLITICAL THEORY</u> Ch-1 Political Theory: An Introduction a) What is politics? b) What do we study in political theory? c) Putting Political theory into practice d) Why should we study political theory?</p>	<ul style="list-style-type: none"> ❖ Prepare a PPT on Assets and Liabilities ❖ Prepare a case study on a new start up and record its business transactions in an Accounting Equation.

<p>May (22 Days)</p>	<p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch-2 Rights in the Indian Constitution a) The importance of rights • Bill of Rights b) Fundamental rights in the Indian Constitution • Right to Equality • Right to Freedom • Right against Exploitation • Right to Freedom of Religion • Cultural and Educational Rights • Right to Constitutional Remedies c) Directive principles of state policy • What do the directive principles contain? d) Relationship between fundamental rights and directive principles</p> <p><u>PART B-POLITICAL THEORY</u> Ch-2 Freedom a) The Ideal of freedom b) The sources of Constraints-Why do we need constraints? c) The Harm Principle d) Negative and Positive liberty</p>	<p>❖ Prepare a scrap file on different types of vouchers.</p>
<p>July (25 Days)</p>	<p style="text-align: center;">PERIODIC TEST – I</p>	<p style="text-align: center;">Syllabus: Part A- 1 & 2 Part B- 1</p> <p style="text-align: center;">For Assignments please Click</p>
	<p><u>PART B-POLITICAL THEORY</u> Ch-3 Equality a) Why does equality matter? • Equality of opportunities • Natural and Social Inequalities b) Three dimensions of equality c) Feminism, Socialism d) How can we promote equality?</p> <p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch-3 Election and Representation a) Elections and democracy b) Election system in India • First Past the Post System • Proportional Representation c) Why did India adopt the FPTP system? d) Reservation of constituencies e) Free and fair elections • Universal franchise and right to contest • Independent Election Commission f) Electoral Reforms</p> <p>Ch-4 Executive a) What is an executive? b) What are the different types of executives? c) Parliamentary executive in India • Power and position of President • Discretionary Powers of the President d) Prime Minister and Council of ministers e) Permanent Executive: Bureaucracy</p>	<ul style="list-style-type: none"> • Write and perform original slam poetry pieces or spoken word performances about freedom. • Discuss what “equality” means in economic terms. • Mock election in class using ballot papers or EVM simulation for the post of Monitor • Newsroom and report on the workings of the President, PM, and Cabinet.

<p>August (21 Days)</p>	<p><u>PART B-POLITICAL THEORY</u> Ch-4 Social Justice a) What is Justice? • Equal Treatment for Equals • Proportionate Justice • Recognition of Special Needs b) Just distribution c) John Rawls Theory of Justice d) Pursuing Social Justice e) Free Markets versus State Intervention Ch-5 Rights a) What are Rights? b) Where do rights come from? c) Legal rights and the state d) Kinds of rights e) Rights and responsibilities REVISION</p>	<ul style="list-style-type: none"> • Make a Poster on Themes: caste discrimination, reservation, poverty. Create visual collages of different rights.
<p>September (6 Days)</p>	<p style="text-align: center;">MID TERM EXAMINATION</p> <p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch-5 Legislature a) Why do we need a parliament? b) Why do we need two houses of parliament? • Rajya Sabha • Lok Sabha c) What does the parliament do? • Powers of Rajya Sabha • Special Powers of Rajya Sabha d) How does the parliament make laws? e) How does the parliament control the executive? f) What do the committees of parliament do? g) How does the parliament regulate itself?</p>	<p>Syllabus: Part A- 1,2,3 & 4 Part B – 1,2,3,4 & 5</p> <p>For Assignments please Click</p> <ul style="list-style-type: none"> • Draft a bill and debate it in a mock Lok Sabha setup.
<p>October (19 Days)</p>	<p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch-6 Judiciary a) Why do we need an independent judiciary? • Independence of Judiciary • Appointment of Judges • Removal of Judges b) Structure of the Judiciary c) Jurisdiction of supreme Court • Original Jurisdiction • Writ Jurisdiction • Appellate Jurisdiction • Advisory Jurisdiction • Judicial Activism d) Judiciary and Rights • Judiciary and Parliament Ch- 7 Federalism a) What is Federalism? b) Federalism in the Indian Constitution • Division of Powers c) Federalism with a strong central government d) Conflicts in India’s federal system • Centre-State Relations • Demands for Autonomy • Role of Governors and President’s Rule • Demands for New States • Interstate Conflicts e) Special provisions • Jammu and Kashmir</p>	<ul style="list-style-type: none"> • Find out about cases where the Judiciary used its right to a Writ. • Compare the procedure of citizenship in different countries.

	National identity d) Procedural Achievements e) Criticisms • Limitations	
January (15 Days)	<u>PART B-POLITICAL THEORY</u> Ch-8 Secularism a) What is Secularism? b) Inter-religious Domination c) Intra-religious Domination d) Secular State • The western model of secularism • The Indian model of secularism e) Criticisms of Indian secularism • Western Import and Minoritism • Interventionist • Vote Bank Politics REVISION	For Assignments please Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS

PROJECT WORK (ANY ONE):

1. Making of the Constitution.
2. Elections in India.
3. Working of the Indian Judiciary System.
4. Social Justice: Are ethics followed in Indian Politics
5. Human Rights Act and its gratification in India.
6. Political impact on Indian Legislation.
7. Any topic from syllabus.



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Class – XI

PSYCHOLOGY (037)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Books -Psychology (NCERT)	SUGGESTED ACTIVITIES
April (12 Days)	<p>CH 1: WHAT IS PSYCHOLOGY What is psychology? Psychology as a discipline, Psychology as a natural science, Psychology as a social science, understanding mind and behaviour, Popular notions about psychology, Evolution of psychology, Development of psychology in India, Branches of psychology,</p>	<p>❖ Prepare a PPT on career on psychology</p>
May (22 Days)	<p>CH 1: WHAT IS PSYCHOLOGY Psychology and other disciplines, Psychology in everyday life</p> <p>CH 2: METHODS OF ENQUIRY IN PSYCHOLOGY Goals of psychological enquiry, Nature of psychological data, observation, experimental method, correlation research, Survey method, Psychological testing, Case study, Analysis of data, Qualitative and quantitative method, Limitations of psychological enquiry, Ethical issues.</p>	<p>❖ Review on a movie</p>
July (25 Days)	<p>PERIODIC TEST – I</p>	<p>Syllabus: Ch.- 1&2 (till experimental method)</p> <p>For Assignments please Click</p>

	<p>CH 3: HUMAN DEVELOPMENT Meaning of development, Life-span perspective on development, Factors influencing development, Context of development, Prenatal stage, Infancy, Childhood, Challenges of adolescence, adulthood and old age.</p> <p>CH 4: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES Knowing the world, Nature and varieties of stimulus, sense modalities, Attentional processes, Selective attention, sustained attention, ADHD, Perceptual processes, The perceiver, Principles of perceptual organisation</p>	❖ Practical on span of attention
August (21 Days)	<p>CH 4: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES Perception of space, depth and distance, Monocular cues, binocular cues, perceptual constancies, illusions, Socio-culture influences on perception</p> <p>CH 5: LEARNING Nature of learning, paradigms of learning. Classical conditioning, Operant conditioning, Key learning process, learned helplessness, Observational learning, verbal learning, skill learning, Factors facilitating learning, Learning disabilities</p> <p>REVISION</p>	CBSE Project Work
September (6 Days)	MID TERM EXAMINATION	Syllabus: Ch.1,2,3,4,5
	<p>CH 6: HUMAN MEMORY</p> <ul style="list-style-type: none"> Nature of memory, Information Processing approach: The stag model 	<p>For Assignments please Click</p> <p>❖ Quiz ❖ CBSE Project Work</p>
October (19 Days)	<p>CH 6: HUMAN MEMORY Memory system: Sensory, short term, long term memory, working memory, Levels of processing, Types of long term memory, Declarative and procedural memory, Nature and causes of memory, Enhancing memory, Mnemonics using images and organization</p>	Practical on Memory
November (18 days)	<p>CH 7: THINKING Nature of thinking, Building blocks of thoughts, The processes of thinking, Problem solving, reasoning, Decision-making, Nature of creative thinking, Process of creative thinking, Thought and language, Development of language and language use, Bilingualism and multilingualism</p> <p>REVISION</p>	CBSE Project Work

December (21 Days)	PERIODIC TEST- II	Syllabus: Ch. 6&7 For Assignments please Click
	CH 8: MOTIVATION Nature of motivation, Types of motives, biological motives, psychosocial motives, Maslow hierarchy of needs, Nature of emotions, culture and emotional expression, culture and emotional labeling, Managing negative emotions.	
January (15 Days)	CH 8: MOTIVATION PTSD, Management of examination anxiety, Enhancing positive emotions REVISION	For Assignments please Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS
PROJECT WORK Survey on individuals' s point of view on psychological issues.		



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Class – XI

PHYSICAL EDUCATION (048)

Syllabus: 2026-27

MONTH & NO. OF DAYS	BOOK- SP PUBLICATION PHYSICAL EDUCATION TEXT BOOK	SUGGESTED ACTIVITIES
April (12 Days)	UNIT-1 CHANGING TRENDS AND CAREERS IN PHYSICAL EDUCATION 1. Concept, Aims & Objectives of Physical Education 2. Development of Physical Education in India – Post Independence 3. Changing Trends in Sports- playing surface, wearable gear and sports equipment, technological advancements 4. Career options in Physical Education 5. Khelo-India Program and Fit – India Program	CLASS POWERPOINT PRESENTATION BY STUDENTS
May (22 Days)	UNIT-2 OLYMPISM VALUE EDUCATION 1. Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) 2. Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind 3. Ancient and Modern Olympics 4. Olympics - Symbols, Motto, Flag, Oath, and Anthem	PRACTICAL PRACTICE: SAI FITNESS TEST CLASS POWERPOINT PRESENTATION BY STUDENTS For Assignments please Click

	5. Olympic Movement Structure - IOC, NOC, IFS, Other members REVISION	
JULY (25 Days)	PERIODIC TEST – I	Syllabus: UNIT-1 & 2
	<p>UNIT-3 YOGA</p> <ol style="list-style-type: none"> 1. Meaning and importance of Yoga 2. Introduction to Astanga Yoga 3. Yogic Kriyas (Shat Karma) 4. Pranayama and its types. 5. Active Lifestyle and stress management through Yoga. <p>UNIT-4 PHYSICAL EDUCATION AND SPORTS FOR CHILDREN WITH SPECIAL NEEDS</p> <ol style="list-style-type: none"> 1. Concept of Disability and Disorder 2. Types of Disability, its causes & nature (Intellectual disability, Physical disability). 3. Disability Etiquette 4. Aim and objectives of Adaptive Physical Education. 5. Role of various professionals for children with special needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special Educator). 	<p>PRACTICAL PRACTICE: SAI FITNESS TEST</p> <p>GROUP DISCUSSION</p>
August (21 Days)	<p>UNIT-5 PHYSICAL FITNESS, WELLNESS, AND LIFESTYLE</p> <ol style="list-style-type: none"> 1. Meaning & importance of Wellness, Health, and Physical Fitness. 2. Components/Dimensions of Wellness, Health, and Physical Fitness 3. Traditional Sports & Regional Games for promoting wellness 4. Leadership through Physical Activity and Sports 5. Introduction to First Aid – PRICE <p>UNIT-6 TEST, MEASUREMENT & EVALUATION</p> <ol style="list-style-type: none"> 1. Define Test, Measurements and Evaluation. 2. Importance of Test, Measurements and Evaluation in Sports. 3. Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site) 4. Somato Types (Endomorphy, Mesomorphy & Ectomorphy) 5. Measurements of health-related fitness 	<p>CLASS POWERPOINT PRESENTATION BY STUDENTS</p> <p>PRACTICAL PRACTICE: SAI FITNESS TEST</p>

September (06 Days)	MIDTERM EXAMINATION	Syllabus: UNIT-1,2,3,4,5 & 6. For Assignments please Click
	UNIT-7 FUNDAMENTALS OF ANATOMY, PHYSIOLOGY IN SPORTS 1. Definition and importance of Anatomy and Physiology in Exercise and Sports. 2. Functions of Skeletal System, Classification of Bones, and Types of Joints. 3. Properties and Functions of Muscles. 4. Structure and Functions of Circulatory System and Heart. 5. Structure and Functions of Respiratory System.	CLASS POWERPOINT PRESENTATION BY STUDENTS
October (19 Days)	UNIT-8 FUNDAMENTALS OF KINESIOLOGY AND BIOMECHANICS IN SPORTS 1. Definition and Importance of Kinesiology and Biomechanics in Sports. 2. Principles of Biomechanics 3. Kinetics and Kinematics in Sports 4. Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation 5. Axis and Planes – Concept and its application in body movements	CLASS POWERPOINT PRESENTATION BY STUDENTS PRACTICAL PRACTICE: SAI FITNESS TEST
November (18 Days)	UNIT-9 PSYCHOLOGY AND SPORTS 1. Definition & Importance of Psychology in Physical Education & Sports; 2. Developmental Characteristics at Different Stages of Development. 3. Adolescent Problems & their Management; 4. Team Cohesion and Sports; 5. Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness	For Assignments please Click
December (21 Days)	PERIODIC TEST-II UNIT-10 TRAINING & DOPING IN SPORTS 1. Concept and Principles of Sports Training	For Assignments please Click

	<ul style="list-style-type: none"> 2. Training Load: Over Load, Adaptation, and Recovery 3. Warming-up & Limbering Down – Types, Method & Importance 4. Concept of Skill, Technique, Tactics & Strategies 5. Concept of Doping and its disadvantages 	
January (15 Days)	REVISION/PRACTICAL PRACTICE	SAMPLE PAPER SOLVING
February/March	PRACTICAL/ ANNUAL EXAMINATION	



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Class – XI

PAINTING (049)

Syllabus: 2026-27

MONTH & NO. OF DAYS	Books -Painting (Full marks publication)	SUGGESTED ACTIVITIES
<p>April (12 Days)</p>	<p>Chapter 1 Introduction to Art. -Classification of Visual art. -Aspects of Visual art. -Elements Visual art. -Principles Visual art.</p> <p>Chapter 2 Origin And Development Of Fine Arts In India. Development of painting in ancient India.</p> <p>Chapter 3 Pre-Historic rock paintings. -Introduction -Period and Location -Study and appreciation of following pre-historic paintings: Wizard's Dance, Bhimbethaka Extension: In about 1500 miles.</p>	<p>❖ PRACTICAL: STILL LIFE DRAWING</p>
<p>May (22 Days)</p>	<p>Chapter 4 Art of Indus/Sindhu Saraswati Civilization (Indus valley Civilization). Harappa & Mohenjo-daro. - Study and appreciation of following: Sculptures in Bronze and Terra cottas: Introduction to Method of Bronze -Dancing girl (Mohenjo-daro) Bronze, Male Torso (Harappa) Red lime Stone, Mother Goddess (Mohenjo-daro) terracotta. Study and appreciation of following Seal. Bull (Mohenjo-daro) Stone (Steatite), Decoration on earthen wares: Painted earthen-ware (Jar) Mohenjo-daro</p>	<p>❖ PRACTICAL: STILL LIFE DRAWING</p>

	<p>Chapter 5 Art during the Mauryan, Shunga, Kushana & Gupta periods.</p> <p>-Buddhist, Jain and Hindu Art (3rd Century B.C. to 8th Century A.D.) -General Introduction and understanding of Art during. Mauryan Period: Mirror like polish (eg. Chauri Bearer from Didar Ganj/Yakshi called Monalisa of India, Iron Pillar of Qutab Minar that has never rusted. Shunga Gupta Period: Amalgamation of Gandhara, Mathura into Gupta Style. Kushana Period: evolution and mutation of Gandhara, Mathura -Study and appreciation of following Sculptures. Lion Capital from Sarnath, Chauri Bearer from Didar Ganj (Yakshi). Seated Buddha from Katra Mound, Mathura, Jain Tirathankara</p>	
July (25 Days)	PERIODIC TEST – I	Syllabus: Ch.- 1,2,3,4,5
	<p>Chapter 6 The Art of Ajanta Caves. Introduction to Ajanta Location. Chaitya Caves: subject matter Buddha meditating, Vihara Caves: subject matter- Bodhisattva, Padmapani Techniques: Rock cut Architecture, sculpture, fresco painting</p> <p>Chapter 7 Indian Temple Sculptures. Artistic aspects of Indian Temple sculpture Period: 6th Century C.E. to 13th Century C.E. -Introduction to Temple Sculpture</p>	<p>For Assignments please Click</p> <p>❖ PRACTICAL: STILL LIFE DRAWING AND COMPOSITION.</p>
August (21 Days)	<p>Chapter 7 Indian Temple Sculptures. -Study and Appreciation of Notable Temple Sculptures: Descent of Ganga, Trimurti, Lakshmi Narayana (Kandariya Mahadev Temple), Cymbal Player (Konark Sun Temple) -Mother and Child (Vimal-Shah Temple, Dilwara)</p> <p>REVISION</p>	<p>❖ PRACTICAL: STILL LIFE DRAWING AND COMPOSITION.</p>
September (6 Days)	MID TERM EXAMINATION	SYLLBUS Chapter -6 The Art of Ajanta caves Chapter -7 Indian Temple Sculpture
	<p>Chapter 8 Indian Bronze: Artistic and religious heritage.</p> <p>1-Introduction to Indian Bronzes. 2-Method of casting (solid and hollow) Nataraj</p>	<p>❖ PRACTICAL: STILL LIFE DRAWING AND COMPOSITION.</p>

October (19 Days)	Chapter 9 Indo- Islamic Architecture. Artistic aspects of the Indo-Islamic architecture: 1- Study and appreciation of following architecture: Qutub Minar, Delhi Gol Gumbad of Bijapur	❖ PRACTICAL: STILL LIFE DRAWING AND COMPOSITION.
November (18 days)	Revision Practice sample paper Practical work Still Life ,Compositions, Folk Painting	❖ PRACTICAL: STILL LIFE DRAWING AND COMPOSITION.
December (21 Days)	PERIODIC TEST- II	Syllabus: Ch. 6, 7, 8, 9 For Assignments please Click
	Revision Practice sample paper Practical work Still Life, Compositions, Folk Painting	
February/ March	PR ACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS



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Class – XI

Subject – YOGA (841)

Syllabus: 2026-27

MONTH & NO. OF DAYS	BOOK NCERT BOOK	SUGGESTED ACTIVITIES
April (12 Days)	<u>PART- B</u> Unit 1 – Introduction to Yoga and Yogic Practices – I	PRACTICAL <ul style="list-style-type: none">• Practice of Sukshmayayama• Practice of Surya Namaskar• Practice of Asanas
May (22 Days)	<u>PART- A</u> Unit 1 : Communication Skills – III	GROUP DISCUSSION <ul style="list-style-type: none">• Practice of Halasana• Practice of Pawanmuktasana• Practice of Bhujangasana• Practice of Shalabhasana
July (10 Days)	PERIODIC TEST – I (YOGA Exam)	SYLLABUS: <u>Part-A</u> UNIT 1: COMMUNICATION SKILLS- III <u>Part-B</u> UNIT 1 – INTRODUCTION TO YOGA AND YOGIC PRACTICES – I For Assignments please Click

<p>August (21 Days)</p>	<p>Unit 2: Self-Management Skills-III PART- B Unit 2 – Introduction to Yoga Texts - I</p>	<p>PRACTICAL</p> <ul style="list-style-type: none"> • Practice of Gomukhasana • Practice of Vakrasana • Practice of Ustrasana • Practice of Mandukasana • Practice of Sasankasana • Practice of Janusirasana • Practice of Virkshasana
<p>September (06 Days)</p>	<p style="text-align: center;">MIDTERM EXAMINATION</p> <p style="text-align: center;">(YOGA Exam)</p>	<p style="text-align: center;">SYLLABUS</p> <p>PART-A Unit 2: Self-Management Skills-III PART- B Unit 2 – Introduction to Yoga Texts - I</p> <p style="text-align: center;">For Assignments please Click</p>
<p>October (19 Days)</p>	<p><u>PART-B</u> Unit 3 – Yoga for Health Promotion – I</p>	<p style="text-align: center;">PRACTICAL</p> <ul style="list-style-type: none"> • Steps of Sithaili Pranayama • Steps of Ujjayai Pranayam • Steps of Paschimottansana • Asanas board
<p>November (18 Days)</p>	<p><u>PART –A</u> Unit 4: Entrepreneurial Skills-III</p>	<p style="text-align: center;">PRACTICAL</p> <p style="text-align: center;">CLASS PRESENTATION BY STUDENTS</p> <ul style="list-style-type: none"> • Yoga for Weight loss • Improved Posture. Let's face it, all of us have slouched at some time or another • Increased flexibility of body through Yoga.
<p>December (21 Days)</p>	<p style="text-align: center;">REVISION</p> <p style="text-align: center;">PERIODIC TEST – II</p>	<p style="text-align: center;">SYLLABUS</p> <p>PART-B Unit 3 – Yoga for Health Promotion – I <u>PART -A</u></p>

	(Yoga Exam)	Unit 4: Entrepreneurial Skills-III For Assignments please Click
	PART-A Unit 3: Information and Communication Technology Skills-III.	
January (15 Days)	REVISION	PRACTICAL <ul style="list-style-type: none"> • Conducting Yoga project on common diseases • Yoga sessions on suryanamaskar • Practice of Padhastasana • Practice of Nadi Shudhi • Practice of Dhyana Mudra • Meditation • Project on Patanjali Yoga Sutras • Yoga effect on Human Body For Assignments please Click
February/ March	PRACTICAL ANNUAL EXAMINATION	ENTIRE SYLLABUS