

DAV INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: ENGLISH

CLASS: XII

MONTH	NO. OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Comprehension: Unseen factual passage Writing Skills: Notice writing Literature: Flamingo: Prose: The Last Lesson, Lost Spring Poetry: My Mother at Sixty-six Vistas: The Third Level	Prepare a word bank: Include new words from the text and related words, add synonyms and antonyms. (To be updated after every lesson) Intra class Debate- ‘Education is the only remedy to poverty.’
MAY	12	Comprehension: Unseen literary passage Writing Skills: Application for job Literature: Flamingo: Prose: Deep Water Poetry: Keeping Quiet Vistas: The Tiger King	Group discussion Motivational speech on ‘Fear is a state of mind,’ and other messages from the literature texts.
JUNE	15	Comprehension: Unseen case-based passage Writing Skills: Report writing Literature: Flamingo: Prose: The Rattrap	Newscaster’s special report on ‘Christmas wonder’ based on The Rattrap
PORTION FOR FIRST PERIODIC TEST (PT I-III -XII): *PT I (First week of July)		<ul style="list-style-type: none"> • Comprehension • Writing Skills: Notice writing • Literature: Flamingo: Prose: The Last Lesson, Lost Spring, Deep Water Poetry: My Mother at Sixty-six, Keeping Quiet Vistas: The Third Level 	
JULY	25	Comprehension: Unseen discursive passage Writing Skills: Letter to editor Literature: Flamingo: Prose: Indigo Poetry: A Thing of Beauty Vistas: Journey to the end of the Earth	Podcast on ‘Antarctica’ Quiz on Literary Devices
AUGUST	25	Comprehension: Unseen case-based passage Writing Skills: Invitation drafting Article writing Literature: Flamingo: Prose: Poets and Pancakes	Match up Game – Match Proverbs / Idioms to situations and themes.

		Poetry: A Roadside Stand Vistas: The Enemy	
PORTION FOR HALF YEARLY EXAMS (III-XII): *HY (Third week of September)		<ul style="list-style-type: none"> • Comprehension • Writing Skills: Notice writing, Invitation drafting, Letter to editor, Job Application, Article writing, Report writing. • Literature: Flamingo: Prose: The Last Lesson, Lost Spring, Deep Water, The Rattrap Poetry: My Mother at Sixty -six, Keeping Quiet, A Thing of Beauty Vistas: The Third Level, The Tiger King, Journey to the end of the Earth The Enemy 	
SEPTEMBER	25	WRITING SKILLS: Reply to invitation LITERATURE: Flamingo: Prose: The Interview Poetry: Aunt Jennifer's Tigers	Mock Interview Conduct survey and write a report.
OCTOBER	16	COMPREHENSION: Unseen literary passage WRITING SKILLS: Revise: Letter writing LITERATURE: Flamingo: Prose: Going Places Vistas: On the Face of It	Panel discussion on teenage fantasy and reality- A teenager, a mother, a psychologist, a teacher etc.
NOVEMBER	22	WRITING SKILLS: Revise: Report writing LITERATURE: Vistas: Memories of Childhood <ul style="list-style-type: none"> • The Cutting of My Long Hair • We Too are Human Beings 	Listening skill exercises
PORTION FOR FIRST PRE-BOARD: *Last week of November/First week of December		Comprehension Writing Skills: Notice writing, Invitations, Job Application, Letter to editor, Report writing, Article writing Literature: Flamingo: Prose: Indigo, Poets and Pancakes, The Interview, Going Places Poetry: A Roadside Stand, Aunt Jennifer's Tigers Vistas: On the Face of It, Memories of Childhood.	
DECEMBER	19	Revision and Sample paper solving	
PORTION FOR SECOND PRE-BOARD (X & XII) ** FIRST WEEK OF JANUARY		Full Syllabus	
JANUARY	26	Revision and Sample paper solving	
FEBRUARY	24	Revision and Sample paper solving	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.
SPLIT UP SYLLABUS FOR THE SESSION 2023-24
SUBJECT: PHYSICS **CLASS: XII**

MONTH	NO OF WORKING DAYS	Chapters and Content	Practicals/Activities
APRIL	22	<p><u>Chapter–1: Electric Charges and Fields</u> 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 charged thin spherical shell (field inside and outside).</p> <p><u>Chapter–2: Electrostatic Potential and Capacitance</u> 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 insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, 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 (no derivation, formulae only).</p> <p><u>Chapter–3: Current Electricity</u> Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance,</p>	<p>1. To determine the resistivity of two/three wires by plotting a graph for potential difference versus current.</p> <p>2. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.</p>
MAY	12	<p><u>Chapter–3: Current Electricity</u> Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.</p>	<p>3. To find the resistance of a given wire / standard resistor using a meter bridge.</p>

		<u>Chapter–4: Moving Charges and Magnetism</u> 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 solenoid (only qualitative treatment),	
JUNE	15	<u>Chapter–4: Moving Charges and Magnetism</u> Force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer its current sensitivity and conversion to ammeter and voltmeter. <u>Chapter–5: Magnetism and Matter</u> Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties.	4. To find the refractive index of a liquid using convex lens and plane mirror.
PORTION FOR FIRST PERIODIC TEST **PT I (First week of July)		Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance Chapter–3: Current Electricity	
JULY	25	<u>Chapter–6: Electromagnetic Induction</u> Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction. <u>Chapter–7: Alternating Current</u> Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer. <u>Chapter–8: Electromagnetic Waves</u> Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible,	5. To verify the laws of combination(series combination) of resistance using meter bridge. 6. To determine refractive index of a glass slab using a travelling microscope.

		ultraviolet, X-rays, gamma rays) including elementary facts about their uses	
AUGUST	25	<p><u>Chapter-9: Ray Optics and Optical Instruments</u> Ray Optics: Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers. Refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.</p> <p><u>Chapter-10: Wave Optics</u> Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle.</p>	<p>7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.</p> <p>8. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.</p>
PORTION FOR MID TERM EXAMINATION **MIDTERM EXAM (Third week of September)		<p>Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance Chapter-3: Current Electricity Chapter-4: Moving Charges and Magnetism Chapter-5: Magnetism and Matter Chapter-6: Electromagnetic Induction Chapter 7: Alternating currents Chapter-8: Electromagnetic Waves</p>	
SEPTEMBER	25	<p><u>Chapter-10: Wave Optics</u> Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only).</p>	
OCTOBER	16	<p><u>Chapter-11: Dual Nature of Radiation and Matter</u> Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation.</p> <p><u>Chapter-12: Atoms</u> Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in his orbit, of hydrogen line spectra (qualitative treatment only)</p>	<p>A1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.</p> <p>A2. To study the variation in potential drop with length of a wire for a steady current.</p> <p>A3. To draw the diagram of a given open circuit</p>

			comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.
NOVEMBER	22	<p><u>Chapter–13: Nuclei</u> Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion</p> <p><u>Chapter–14: Semiconductor -Electronics: Materials, Devices and Simple Circuits</u> Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I- V characteristics in forward and reverse bias, application of junction diode -diode as a rectifier.</p>	<p>A4. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.</p> <p>A5. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.</p> <p>A6. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.</p>
PORTION FOR FIRST PRE BOARD : **First week of December		Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance Chapter–3: Current Electricity Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter Chapter–6: Electromagnetic Induction Chapter 7: Alternating currents Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics and Optical Instruments Chapter–10: Wave Optics Chapter–11: Dual Nature of Radiation and Matter Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semiconductor -Electronics: Materials, Devices and Simple Circuits	
DECEMBER	19	FIRST PRE BOARD	

SECOND PRE-BOARD ** FIRST WEEK OF JANUARY – SECOND PRE BOARD		Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance Chapter–3: Current Electricity Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter Chapter–6: Electromagnetic Induction Chapter 7: Alternating currents Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics and Optical Instruments Chapter–10: Wave Optics Chapter–11: Dual Nature of Radiation and Matter Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semiconductor -Electronics: Materials, Devices and Simple Circuits	
JANUARY	26	SECOND PRE BOARD	

**D.A.V. INSTITUTIONS, WEST BENGAL ZONE.
SPLIT UP SYLLABUS FOR THE SESSION 2023-24**

SUBJECT: _CHEMISTRY

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Practicals
APRIL	22	<p>Unit 1: Solutions Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.</p> <p>Unit 2: Electrochemistry Redox reactions, EMF of a cell, standard electrode potential.</p>	Content Based Experiments
MAY	12	<p>Unit 2: Electrochemistry (contd.) Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.</p>	Content Based Experiments (Contd.)
JUNE	15	<p>Unit 6: Haloalkanes and Haloarenes Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. Haloarenes: Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).</p>	<p>Volumetric Analysis Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of: a) Oxalic acid b) Ferrous Ammonium</p>

		<p>Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT</p> <p>Unit 7: Alcohols, Phenols and Ethers</p> <p>Alcohols: Nomenclature, methods of preparation.</p>	<p>Sulphate</p> <p>(Students will be required to prepare standard solutions by weighing themselves)</p>
PORTION FOR FIRST PERIODIC TEST (First week of July)		Unit 1: Solutions Unit 2: Electrochemistry	
JULY	25	<p>Unit 7: Alcohols, Phenols and Ethers (Contd.)</p> <p>Physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol.</p> <p>Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.</p> <p>Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.</p> <p>Unit 3: Chemical Kinetics</p> <p>Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.</p>	<p>Volumetric Analysis (Contd.)</p> <p>Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of:</p> <p>a) Oxalic acid</p> <p>b) Ferrous Ammonium Sulphate</p> <p>(Students will be required to prepare standard solutions by weighing themselves)</p> <p>Salt Analysis (Note: Insoluble salts excluded).</p> <p>Qualitative analysis:</p> <p>Cations:</p> <p>NH_4^+, Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Zn^{2+}, Ni^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+},</p>
AUGUST	25	Unit 8: Aldehydes, Ketones and Carboxylic Acids	Salt Analysis(Contd.)

		<p>Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses.</p> <p>Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.</p> <p>Unit 9: Amines Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.</p> <p>Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.</p>	<p>Qualitative analysis:</p> <p>Cations:</p> <p>NH_4^+, Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Zn^{2+}, Ni^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+},</p>
<p>PORTION FOR MID TERM EXAMINATION (Third week of September)</p>		<p>Unit 1: Solutions Unit 2: Electrochemistry Unit 3: Chemical Kinetics Unit 6: Haloalkanes and Haloarenes Unit 7: Alcohols, Phenols and Ethers Unit 8: Aldehydes, Ketones and Carboxylic Acids</p>	
SEPTEMBER	25	<p>Unit 4: The d- and f- Block Elements General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first-row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation, preparation and properties of $\text{K}_2\text{Cr}_2\text{O}_7$ and KMnO_4</p>	<p>Salt Analysis (Contd.)</p> <p>Qualitative analysis:</p> <p>Anions:</p> <p>CO_3^{2-}, S^{2-}, SO_3^{2-}, SO_4^{2-}, Cl^-, Br^-, I^-, PO_4^{3-}, CH_3COO^-, NO_3^-</p>

		Revision for Mid Term Examination	
OCTOBER	16	<p>Unit 4: The d- and f- Block Elements (Contd.)</p> <p>Lanthanoids – Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences. Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.</p> <p>Unit 5: Coordination Compounds Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).</p>	Investigatory Project
NOVEMBER	22	<p>Unit 10: Biomolecules Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates.</p> <p>Proteins -Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only),</p>	Revision of Practicals

		denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure.	
		Vitamins - Classification and functions.	
		Nucleic Acids: DNA and RNA.	
		Revision for Entire syllabus	
PORTION FOR FIRST PRE BOARD: Last week of November /First week of December		FULL SYLLABUS	
DECEMBER	19	Revision from sample papers	
PORTION FOR SECOND PRE-BOARD : (FIRST WEEK OF JANUARY)		FULL SYLLABUS	
JANUARY	26	Revision from sample papers	

DAV INSTITUTIONS, WEST BENGAL ZONE

SESSION: 2023–2024

DIVIDED SYLLABUS

SUBJECT: MATHEMATICS (041)

CLASS: XII

MONTH	CHAPTERS TO BE TAUGHT	PRACTICAL WORK
April (19 Days)	Relations and Functions Inverse Trigonometric Functions Continuity and Differentiability	1. To 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. To 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.
May (10 Days)	Continuity and Differentiability(contd..) Derivatives (Upto second order derivatives)	3. To draw the graph of $\sin^{-1} x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$).
HOLIDAY HOME WORK (SUMMER BREAK) : Worksheet will be given from the chapters covered.		
June (12 Days)	Applications of Derivatives	4. To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point.
July (21 Days)	Matrices and Determinants Integrals	5. To understand the concepts of local maxima, local minima and point of inflection.

PORTION FOR PERIODIC TEST-I : (SECOND WEEK OF JULY)

- Relations and Functions
- Inverse Trigonometric Functions
- Continuity and Differentiability
- Derivatives
- Applications of Derivatives

**** AS PER CBSE CURRICULUM – 2023-24**

August (20 Days)	Integrals (to be continued) Applications of the Integrals – Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	6. To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
September (22 Days)	Differential Equations Linear Programming Problems Vectors	7. To verify geometrically that: $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$

PORTION FOR MID TERM EXAMINATION: (FIRST WEEK OF SEPTEMBER)

- Relations and Functions
- Inverse Trigonometric Functions
- Matrices and Determinants
- Continuity and Differentiability
- Derivatives
- Applications of Derivatives
- Integrals
- Applications of the Integrals

**** AS PER CBSE CURRICULUM – 2023-24**

October (11 Days)	Vectors(to be continued) Three - Dimensional Geometry	8. To verify that angle in a semi-circle is a right angle, using vector method.
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November (21 Days)	Probability Revision	9. To measure the shortest distance between two skew lines and verify it analytically. 10. To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.
December (17 Days)	Revision	
PORTION FOR FIRST PRE BOARD : (**Last week of November/First week of December) <ul style="list-style-type: none"> ➤ Inverse Trigonometric Functions ➤ Matrices and Determinants ➤ Integrals ➤ Applications of the Integrals ➤ Differential Equations ➤ Vectors & Three – Dimensional Geometry ➤ Linear Programming Problems ➤ Probability <ul style="list-style-type: none"> ● AS PER CBSE CURRICULUM – 2023-24 		
HOLIDAY HOME WORK (WINTER BREAK) : PROBLEM SOLVING FROM LATEST SAMPLE PAPER		
PORTION FOR 2ND PRE BOARD : (**First week of January-2024) FULL SYLLABUS AS PER CBSE CURRICULUM – 2023-24		
January (21 Days)	Revision	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: BIOLOGY

CLASS: XII

MONTH	Chapters and Content	Practical
APRIL	Chapter-2: Sexual Reproduction in Flowering Plants Chapter-5: Principles of Inheritance and Variation	1. Prepare a temporary mount to observe pollen germination. 2. Pollen germination on stigma through a permanent slide or scanning electron micrograph. 3. Flowers adapted to pollination by different agencies (wind, insects, birds).
MAY	Chapter-5: Principles of Inheritance and Variation(to be continued) . Chapter-14: Ecosystem Chapter-3: Human Reproduction	4. Mendelian inheritance using seeds of different colour/sizes of any plant. 5. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
HOLIDAY HOME WORK (SUMMER BREAK) : To prepare the investigatory project as per the guidelines .		
JUNE	Chapter-3: Human Reproduction(to be continued) Chapter-4: Reproductive Health	6. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 7. Meiosis in onion bud cell or grasshopper testis through permanent slides. 8. T.S. of blastula through permanent slides (Mammalian).
PORTION FOR FIRST PERIODIC TEST(PT I): (First week of July)	Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-5: Principles of Inheritance and Variation Chapter-14: Ecosystem	
JULY	Chapter 15: Biodiversity and Conservation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution	9. Prepare a temporary mount of onion root tip to study mitosis. 10. Flash cards models showing examples of homologous and analogous organs.
AUGUST	Chapter-10: Microbes in Human Welfare Chapter-13: Organisms and Populations	11. Study the plant population density by quadrat method. 12. Study the plant population frequency by quadrat method. 13. Models specimen showing symbiotic association in root modules of leguminous plants, Cuscuta on host, lichens.
PORTION FOR HALF YEARLY EXAMS :	PORTION FOR MID TERM EXAMINATION : Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-4: Reproductive Health	

*HY (Third week of September)	Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution Chapter-10: Microbes in Human Welfare Chapter-14: Ecosystem Chapter 15: Biodiversity and Conservation	
SEPTEMBER	Chapter-11: Biotechnology and its Principles Revision for Midterm.	
OCTOBER	Chapter-11: Biotechnology and its Principles Chapter 12: Biotechnology and its Application	14.Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc
NOVEMBER	Chapter-8: Human Health and Diseases.	15.Common disease causing organisms like <i>Ascaris</i> , <i>Entamoeba</i> , <i>Plasmodium</i> , any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause. 16. Controlled pollination - emasculation, tagging and bagging
PORTION FOR PRE BOARD I(Last week of November/First week of December)	Chapter-8: Human Health and Diseases. Chapter-11: Biotechnology and its Principles Chapter 12: Biotechnology and its Application Chapter-13: Organisms and Populations	
DECEMBER	Revision of all chapters from Sample papers .	
JANUARY	Revision for all chapters .	
PORTION FOR PRE BOARD II: Entire syllabus for class XII		

D.A.V. INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS

SESSION 2023-24

SUBJECT: COMPUTER SCIENCE

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Revision Python of Class XI. Computational Thinking and Programming – 2 -Revision of Python topics covered in Class XI. Functions- Introduction, types of function (built-in functions, functions defined in module, user defined functions)	Practical on Revision of Python Topics covered in Class XI.
MAY	12	Functions: creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)	Practical on Python using User defined Functions with List, Tuple, Dictionary, Local and Global variables, LEGB Scope
JUNE	15	Exception Handling: Introduction, handling exceptions using try-except-finally blocks Data Structure: Stack and its Operations using List, Implementation of stack using list. (Infix to Postfix conversion using Stack, Evaluation of Postfix Expression using Stack.)	Practical on exception handling Practical on Stack Using List in Python
PORTION FOR FIRST PERIODIC TEST (PT I-III - XII): (First week of July)		<ul style="list-style-type: none">• Revision of Python topics covered in Class XI.• Python Functions• Data Structure	
JULY	25	Data File Handling: Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths. <ul style="list-style-type: none">• Text file Operations• Binary file Operations• CSV File Operations	Practical on File Operations: Text File, Binary File and CSV File
AUGUST	25	Database Management <ul style="list-style-type: none">• Database concepts,• Relational data model• Structured Query Language: SQL Queries based on DDL, DML Commands and Aggregate Functions.• Structured Query Language: Join Operations	Practical on Database Using MYSQL with Queries.

SEPTEMBER	25	Interface of python with an SQL database Revision for Mid Term Examination.	Practical on MYSQL Queries and Python with MYSQL Connectivity. FINAL PROJECT WORK TO BE GIVEN.
PORTION FOR MID TERM EXAM(XII): (Third week of September)		<ul style="list-style-type: none"> • Revision Python of Class XI • Python Functions • Data File Handling • Database Management and SQL 	
OCTOBER	16	Computer Networks: Evolution of networking, Data communication terminologies, Transmission media, Network topologies and Network types.	Practical: Revision of Data File Handling and SQL Queries,
NOVEMBER	22	Computer Networks: Network devices, Network protocol, Introduction to web services.	Revision
FIRST PRE-BOARD (X & XII): **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision Work	Revision
SECOND PRE-BOARD (X & XII) (FIRST WEEK OF JANUARY)		FULL SYLLABUS	
JANUARY	26	Revision Work	Revision

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: ACCOUNTANCY

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Accounting for Partnership Firms: Fundamentals	
MAY	12	Change in Profit Sharing Ratios among the Existing Partners	Comprehensive Project
JUNE	15	Admission of a Partner	
PORTION FOR FIRST PERIODIC TEST: **PT I (First week of July)		1. Accounting for Partnership Firms: Fundamentals 2. Change in Profit Sharing Ratios among the Existing Partners 3. Admission of a Partner	
JULY	25	Retirement of a Partner Death of a Partner Dissolution of Partnership Firm	
AUGUST	25	Accounting for Share Capital Accounting for Debentures	
PORTION FOR HALF YEARLY EXAMS ** HY (Third week of September)		1. Accounting for Partnership Firms: Fundamentals 2. Change in Profit Sharing Ratios among the Existing Partners 3. Admission of a Partner 4. Retirement of a Partner 5. Death of a Partner 6. Dissolution of Partnership Firm 7. Accounting for Share Capital	
SEPTEMBER	25	Accounting for Debentures Financial Statements of a Company	
OCTOBER	16	Comparative statements, Common size statements Accounting Ratios	Specific Project.
NOVEMBER	22	Cash Flow Statement Revision	
PORTION FOR FIRST PRE-BOARD: **Last week of November/First week of December		Full Syllabus.	
DECEMBER	19	Revision of overall syllabus	
PORTION FOR SECOND PRE-BOARD: ** First week of January		Full Syllabus.	
JANUARY	26	Revision of overall syllabus & Board Practical	
FEBRUARY	24	Revision of overall syllabus & Board Practical	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.**SPLIT UP SYLLABUS FOR THE SESSION 2023-24****SUBJECT: BUSINESS STUDIES****CLASS: XII**

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	UNIT 1 Nature and Significance of Management UNIT 2 Principles of Management	
MAY	12	UNIT 2 Principles of Management UNIT3 Business Environment	PROJECT TO BE STARTED
JUNE	15	UNIT 4 Planning UNIT 5 Organising	
PORTION FOR FIRST PERIODIC TEST **PT I (First week of July)		UNIT 1 Nature and Significance of Management UNIT 2 Principles of Management UNIT 3 Business Environment UNIT 4 Planning	
JULY	25	UNIT 5 Organising UNIT 6 Staffing UNIT 7 Directing	
AUGUST	25	UNIT 7 Directing UNIT 8 Controlling UNIT 9 Financial Management	
PORTION FOR HALF YEARLY EXAMS: **HY (Third week of September)		UNIT 1 Nature and Significance of Management UNIT 2 Principles of Management UNIT 3 Business Environment UNIT 4 Planning UNIT 5 Organising UNIT 6 Staffing UNIT 7 Directing UNIT 8 Controlling	
SEPTEMBER	25	UNIT 9 Financial Management	
OCTOBER	16	UNIT 10 Financial Market UNIT 11 Marketing Management	PROJECT TO BE COMPLETED
NOVEMBER	22	UNIT 11 Marketing Management UNIT 12 Consumer Protection	
PORTION FOR FIRST PRE-BOARD-XII: **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision of overall syllabus	
PORTION FOR SECOND PRE-BOARD-XII: ** First week of January		FULL SYLLABUS	
JANUARY	26	Revision of overall syllabus & Board Practical	
FEBRUARY	24	Revision of overall syllabus & Board Practical	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: ECONOMICS

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	<ul style="list-style-type: none">Indian Economy on the eve of independence.Basic concepts of Macroeconomics. (Up to circular flow of income)	
MAY	12	<ul style="list-style-type: none">Indian Economy 1950- 1990Money and Banking.	
JUNE	15	<ul style="list-style-type: none">Indian Economy 1950- 1990 (to complete)Money and Banking (to complete)	Topic for project to be given to students. Students to research and collect materials for the same.
PORTION FOR FIRST PERIODIC TEST (XII): **PT I (First week of July)		<ul style="list-style-type: none">Indian Economy on the eve of independence.Basic concepts of Macroeconomics. (Up to circular flow of income)Money and Banking.	
JULY	25	<ul style="list-style-type: none">Liberalization, Privatization and Globalization: An appraisal.Human Capital Formation (to start).National Income and related aggregates.Measurements of National Income.	
AUGUST	25	<ul style="list-style-type: none">Human Capital Formation (to complete)Rural developmentGovernment budget and the economy.Foreign Exchange	Primary/ Brief Synopsis of Project And Viva
PORTION FOR PERIODIC TEST II/ HALF YEARLY EXAMS (XII): **PT II/HY (Third week of September)		<ul style="list-style-type: none">Indian Economy on the eve of independence.Indian Economy 1950- 1990.Liberalization, Privatization and Globalization: An appraisal.Human Capital FormationBasic concepts of Macroeconomics.National Income and related aggregates.Measurements of National Income.Money and Banking.Government budget and the economy.	
SEPTEMBER	25	<ul style="list-style-type: none">Employment: Growth, Informalization and other issuesBalance of payments.	
OCTOBER	16	<ul style="list-style-type: none">Environment and sustainable development.Determination of income and employment.	

NOVEMBER	22	<ul style="list-style-type: none"> • Comparative development experience of India and its neighbours. • Determination of income and employment (to complete) 	Complete Project
FIRST PRE BOARD (XII) : **Last week of November/First week of December		Full syllabus	
DECEMBER	19		
SECOND PRE-BOARD (XII) ** FIRST WEEK OF JANUARY – SECOND PRE BOARD		Full syllabus	

DAV INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: APPLIED MATHEMATICS

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	<ul style="list-style-type: none">• Unit - 1 Numbers, Quantification and Numerical Applications (1.1 , 1.2, 1.4, 1.5, 1.6)• Unit – 2 Algebra (2.1 to 2.3) Matrices, Types of matrices, Equality of matrices, Transpose of a matrix, symmetric and skew symmetric matrices, Operation on matrices (up to matrix multiplication)	
MAY	12	<ul style="list-style-type: none">• Unit – 2 (contd...) Algebra (2.4 to 2.6) Determinant, Inverse of a matrix, Solving system of simultaneous equations using matrix method and Cramer’s rule.• Unit – 3 Calculus (3.1 and 3.2) Derivatives and its applications (Determine the rate of change of various quantities, Understand the gradient of tangent and normal to a curve at a given point, Write the equation of tangents and normal to a curve at a given point)	PROJECT: Each day the newspaper tells us about the maximum temperature, minimum temperature and humidity. Collect the data for a period of 30 days and represent it graphically. Compare it with the data available for the same time period for the previous year. (To be given to the students)
JUNE	15	<ul style="list-style-type: none">• Unit – 3 Calculus (3.3 to 3.12) - (Contd...) Marginal Cost and Marginal Revenue using Derivatives, Increasing /Decreasing Functions, Maxima and Minima, Indefinite integrals, Definite integrals and area under the curve, Application of integration. Differential Equations and Modeling, Application of differential equations.	PRACTICAL 1: Matrix multiplication and inverse of matrix using spreadsheet.

PORTION FOR FIRST PERIODIC TEST (PT I): ** (First week of July)		<ul style="list-style-type: none"> Unit – 1 : Numbers, Quantification and Numerical Applications (1.1 to 1.6) Unit – 2 : Algebra (2.1 to 2.6) Unit – 3 : Calculus (3.1 to 3.5) 	
JULY	25	<ul style="list-style-type: none"> Unit – 4 Probability Distributions(4.1 to 4.6) 	PRACTICAL 2: Plot the graphs of functions on excel and study the graph to find out the point of maxima and/ or minima.
AUGUST	25	<ul style="list-style-type: none"> Unit – 5 Inferential Statistics (5.1 to 5.3) 	
MID TERM EXAM :		<ul style="list-style-type: none"> Unit – 1 Numbers, Quantification and Numerical Applications Unit – 2 Algebra Unit – 3 Calculus Unit – 4 Probability Distributions Unit – 5 Inferential Statistics ** As per latest CBSE curriculum.	
SEPTEMBER	25	<ul style="list-style-type: none"> Unit - 6 Index number and time based data (6.4 to 6.8) Unit - 7 Financial mathematics (7.1 , 7.3, 7.4 , 7.5, 7.7) 	
OCTOBER	16	<ul style="list-style-type: none"> Unit - 8 Linear Programming (8.1 to 8.6) 	PRACTICAL 3: Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends.
NOVEMBER	22	Revision	
FIRST PRE BOARD : **Last week of November/First week of December		<ul style="list-style-type: none"> Unit – 3 Calculus Unit – 4 Probability Distributions Unit – 6 Index number and time based data Unit – 7 Financial mathematics Unit – 8 Linear Programming 	
DECEMBER	19	<ul style="list-style-type: none"> Revision 	
SECOND PRE BOARD: ** First Week Of January – 2024		<ul style="list-style-type: none"> FULL SYLLABUS AS PER LATEST CBSE CURRICULUM. 	
JANUARY	26	<ul style="list-style-type: none"> Revision 	

NOTE: For class XII, month wise split up syllabus of activities also need to be incorporated.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: Entrepreneurship

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Unit 1: Entrepreneurial Opportunities. <i>(Sensing Entrepreneurial Opportunities, Environment Scanning, Problem Identification)</i> Unit 2: Business Planning. <i>(Forms of Business organisation)</i>	
MAY	12	Unit 1: Entrepreneurial Opportunities <i>(Idea fields, Spotting Trends, Creativity and Innovation, Selecting the Right Opportunity)</i> Unit 2: Business Planning <i>(Business Plan: concept, Format and Components)</i>	Market Survey <i>(Product choosing and questionnaire preparation)</i>
JUNE	15	Unit 2: Business Planning <i>(Business Plan: Components to continue with)</i> Unit 3: Enterprise Marketing <i>(Marketing mix, Concepts of Branding packaging, labeling, Logo and tagline)</i>	
PORTION FOR FIRST PERIODIC TEST (PT I): **PT I (First week of July)		Unit 1: Entrepreneurial Opportunities. Unit 2: Business Planning (till Operational plan)	
JULY	25	Unit 2: Business Planning <i>(To complete)</i> Unit 3: Enterprise Marketing <i>(Price, Place and promotion components of market, Sales strategy.) (To complete)</i>	
AUGUST	25	Unit 4: Enterprise Growth Strategies <i>(Franchising: Concept and types Franchising: Advantages and limitations to franchisor and franchisee.)</i> Unit 5: Business Arithmetic <i>(Unit of</i>	

		<i>Sale, Unit Cost for multiple products or services, Break even Analysis for multiple products or services)</i>	
PORTION FOR PERIODIC TEST II/ HALF YEARLY EXAMS **PT II/HY (Third week of September)		Unit 1: Entrepreneurial Opportunities. Unit 2: Business Planning Unit 3: Enterprise Marketing Unit 4: Enterprise Growth Strategies (up to Franchising)	
SEPTEMBER	25	Unit 4: Enterprise Growth Strategies <i>(Mergers and Acquisition: Concept, reasons and types. Reasons for mergers and acquisitions)</i> Unit 5: Business Arithmetic <i>(Working Capital, Inventory Control)</i>	Business planning idea formation and format preparation
OCTOBER	16	Unit 5: Business Arithmetic <i>(Inventory Control and EOQ)</i> Unit 6: Resource Mobilization <i>(Capital Market: Concept</i> <input type="checkbox"/> <i>Primary market: Concept, methods of issue)</i>	
NOVEMBER	22	Unit 5: Business Arithmetic <i>(Return on Investment (ROI) and Return on Equity(ROE))</i> Unit 6: Resource Mobilization <i>(Angel Investor: Features <input type="checkbox"/> Venture Capital: Features, funding)</i>	Complete presentation of Market survey project file.
PORTION FOR FIRST PRE BOARD: **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision	Complete presentation of Business plan project file.
PORTION FOR SECOND PRE-BOARD ** First week of January		FULL SYLLABUS	
JANUARY	26	Revision	
FEBRUARY	24	Revision and CBSE Practical	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: BANKING

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Ancillary services of Banks Innovations in Banking Technology	
MAY	12	Ancillary services of Banks Innovations in Banking Technology Employability skill: Communication Skills	PRACTICAL TO BE STARTED
JUNE	15	Ancillary services of Banks Innovations in Banking Technology Employability skill: Communication Skills	
PORTION FOR FIRST PERIODIC TEST: **PT I(First week of July)		Ancillary services of Banks Innovations in Banking Technology Organizations of Bank Branch Employability skill: Communication Skills	
JULY	25	Organizations of Bank Branch Basic of Business Mathematics Employability skill: Self-Management Skills	
AUGUST	25	Basic of Business Mathematics Reserve Bank of India Regulations of our Banks Employability skill: Self-Management Skills	
PORTION FOR HALF YEARLY EXAMS: **HY (Third week of September)		Ancillary services of Banks Innovations in Banking Technology Organizations of Bank Branch Basic of Business Mathematics Employability skill: Communication Skills ; Self-Management Skills ; Information and Communication Technology Skills	
SEPTEMBER	25	Reserve Bank of India Regulations of our Banks Employability skill: Information and Communication Technology Skills	
OCTOBER	16	Reserve Bank of India Regulations of our Banks Employability skill: Entrepreneurship Skills	
NOVEMBER	22	Proforma of Final Accounts of Banking Companies Employability skill: Green skills	
PORTION FOR FIRST PRE-BOARD: **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision of overall syllabus	COMPLETION OF PROJECT FILE
PORTION FOR FIRST PRE-BOARD: ** First week of January		FULL SYLLABUS	
JANUARY	26	Revision of overall syllabus & Board Practical	
FEBRUARY	24	Revision of overall syllabus & Board Practical	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: GEOGRAPHY

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Practical
APRIL	22	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 1. Human Geography Nature and Scope Ch 2. The World Population Distribution, Density and Growth <u>INDIA PEOPLE AND ECONOMY</u> Ch 1. Population: Distribution, Density, Growth and Composition	Processing of Data and Thematic Mapping
MAY	12	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 3. Human Development (Contd.) <u>INDIA PEOPLE AND ECONOMY</u> Ch 2. Human Settlements	Processing of Data and Thematic Mapping
JUNE	15	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 3. Human Development (Completion) <u>INDIA PEOPLE AND ECONOMY</u> Ch 3. Land Resources and Agriculture (Contd.)	Processing of Data and Thematic Mapping
PORTION FOR FIRST PERIODIC TEST (PT I-III -XII): **PT I (First week of July)		<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 1. Human Geography Nature and Scope Ch 2. The World Population Distribution, Density and Growth Ch 3. Human Development <u>INDIA PEOPLE AND ECONOMY</u> Ch 1. Population: Distribution, Density, Growth and Composition Ch 2. Human Settlements	
JULY	25	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 4. Primary Activities <u>INDIA PEOPLE AND ECONOMY</u> Ch 3. Land Resources and Agriculture (Completion) Ch 4. Water Resources	Processing of Data and Thematic Mapping
AUGUST	25	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 5. Secondary Activities REVISION FOR MID TERM <u>INDIA PEOPLE AND ECONOMY</u> Ch 5. Mineral and Energy Resources REVISION FOR MID TERM	Spatial Information Technology
PORTION FOR HALF YEARLY EXAMS (III-XII): **PT II/HY (Third week of September)		<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 1. Human Geography Nature and Scope Ch 2. The World Population Distribution, Density and Growth Ch 3. Human Development Ch 4. Primary Activities Ch 5. Secondary Activities <u>INDIA PEOPLE AND ECONOMY</u> Ch 1. Population: Distribution, Density, Growth and Composition Ch 2. Human Settlements Ch 3. Land Resources and Agriculture Ch 4. Water Resources	
SEPTEMBER	25	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 6. Tertiary and Quaternary Activities <u>INDIA PEOPLE AND ECONOMY</u> Ch 6. Planning and Sustainable Development in Indian Context Ch 7. Transport and Communication	Spatial Information Technology
OCTOBER	16	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 7. Transport and Communication <u>INDIA PEOPLE AND ECONOMY</u> Ch 8. International Trade	Spatial Information Technology

NOVEMBER	22	<u>FUNDAMENTALS OF HUMAN GEOGRAPHY</u> Ch 8. International Trade <u>INDIA PEOPLE AND ECONOMY</u> Ch 9. Geographical Perspective on Selected Issues and Problems	Spatial Information Technology
FIRST PRE BOARD (X & XII) : **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	REVISION	
SECOND PRE-BOARD (X & XII) ** FIRST WEEK OF JANUARY – SECOND PRE-BOARD		FULL SYLLABUS	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: POLITICAL SCIENCE

CLASS: XII

NAME OF TEXT BOOKS:

Part A: Contemporary World Politics NCERT updated.

Part B: Politics in India since Independence NCERT updated.

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Part A: 4.United Nations and it's Organizations. 3. Contemporary South Asia. (Continued) Part B: 1. Challenges of Nation Building 3. India's Foreign Policy.	Map work. Cartoons. Project topics given.
MAY	12	Part A: 3. Contemporary South Asia (Completed) Part B: 2. Planned Development (Continued)	Map work. Cartoons.
Holiday homework: PROJECT WORK: (Group) Class to be divided into groups of 4/5 students. The Project can be made on the topics given in the syllabus. 10 marks for the project work and 10 marks for viva-voce.			
JUNE	15	Part A: 2. New Centres of Power. (Continued) Part B: 3. Planned Development (Completed)	Map work. Project update. Cartoons
PORTION FOR FIRST PERIODIC TEST (PT I-III -XII): **PT I (First week of July)		Part A: 3. Contemporary South Asia. 4.United Nations and it's Organizations. Part B: 1. Challenges of Nation Building. 3. India's Foreign Policy.	
JULY	25	Part A: 2. New Centres of Power. (Completed) 5. Security in Contemporary World. Part B: 4.Parties and Party System in India.	Map work. Project update. Cartoons Peer assessment.
Internal Assessment (III-VIII) SEA (IX-X) Term I ** (First week of August.)			
AUGUST	25	Part A: 1. The End of Bipolarity. Part B: 5.Democratic Resurgence.	The submission of the project. Introduction, Statement of Purpose/Need and objectives of the study.

PORTION FOR HALF YEARLY EXAMS HY (Third week of September)		PORTION FOR HALFYEARLY EXAMINATION: Part A: <ol style="list-style-type: none"> 1. The End of Bipolarity 2. New Centres of Power 3. Contemporary South Asia 4. United Nations and its Organizations 5. Security in Contemporary World Part B: <ol style="list-style-type: none"> 1. Challenges of Nation-Building 2. Planned Development 3. India's Foreign Policy 4. Parties and Party System in India 5. Democratic Resurgence 	
SEPTEMBER	25	Part A: 6.Environment and Natural Resources.	Revision of Half Yearly Exam
OCTOBER	16	Part A: 7.Globalization. (Continued) Part B: 6.Regional Aspirations.	Map work. Project update. Cartoons
NOVEMBER	22	Part A: 7.Globalization. (Completed) Part B: 7.Indian Politics: Recent Trends and Developments.	Map work. Project update. Cartoons Peer assessment. Revision
PORTION FOR FIRST PRE-BOARD (XII): **Last week of November/First week of December		FULL SYLLABUS AS PER CBSE CURRICULUM	
DECEMBER	19	FIRST PRE-BOARD	Project finalization Mock viva
SECOND PRE-BOARD (XII) FIRST WEEK OF JANUARY – SECOND PREBOARD		FULL SYLLABUS AS PER CBSE CURRICULUM	
JANUARY	26	SECOND PREBOARD	PROJECT SUBMISSION
FEBRUARY	24	BOARD EXAMINATION	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.
SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: HISTORY

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
March - April	22	Chapter 1: Harappan Civilization Chapter 2: Kings, Farmers and Towns Chapter 3: Kinship, Caste and Class	April -July: Instructions about Project Guidelines, Background reading Discussions on Theme and Selection of the Final Topic, Initiation/ synopsis
MAY	12	Chapter 4: Thinkers, Beliefs and Buildings	-----
JUNE	15	Chapter 5: Through The Eyes of Travellers Revision for PT I	
PORTION FOR FIRST PERIODIC TEST (PT I- III -XII): **PT I (First week of July)		Chapter 1: Bricks, Beads and Bones Chapter 2: Kings, Farmers and Towns Chapter 3: Kinship, Caste and Class	
JULY	25	Chapter 6: Bhakti -Sufi Traditions Chapter 7: Imperial City: Vijaynagar	-----
AUGUST	25	Chapter 8: Peasants, Zamindars and State Chapter 9: Colonialism and Countryside	-----
HALF YEARLY EXAMS (III-XII): **PT II/HY (Third week of September)		Chapter 1: Harappan Civilization Chapter 2: Kings, Farmers and Towns Chapter 3: Kinship, Caste and Class Chapter 4: Thinkers, Beliefs and Buildings Chapter 5: Through The Eyes of Travellers Chapter 6: Bhakti -Sufi Traditions Chapter 7: Imperial City: Vijaynagar	
SEPTEMBER	25	Chapter 10: The Rebel and The Raj (continued)	-----
OCTOBER	16	Chapter 10: The Rebel and The Raj (completed) Chapter 11: Gandhiji and the	August - October: Planning and

		National Movement (continued)	organization: forming an action plan, feasibility, or baseline study, Updating/modifying the action plan, Data collection.
NOVEMBER	22	Chapter 11: Gandhiji and the National Movement (completed) Chapter 11: Framing of the Constitution	-----
FIRST PRE BOARD (X & XII) : **Last week of November/First week of December		Syllabus for 1st Pre-board - Full Syllabus	
DECEMBER	19	Revision for First Pre-Board	-----
SECOND PRE-BOARD (X & XII) ** FIRST WEEK OF JANUARY – SECOND PRE BOARD		Syllabus for 2nd Pre-board - Full Syllabus	
JANUARY	26		November - December: Content/data analysis and interpretation. Conclusion, Limitations, Suggestions, Bibliography, Annexures and overall presentation of the project.
FEBRUARY	24		January - February: Final Assessment and VIVA by both Internal and External Examiners

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.
SPLIT UP SYLLABUS FOR THE SESSION 2023-24

CLASS: XII

SUBJECT: PSYCHOLOGY

MONTH	NO. OF WORKING DAYS	CHAPTERS AND CONTENT	PRACTICAL
APRIL	22	Chapter-1: Variations in Psychological Attributes	Assessment of Intelligence
MAY	12	Chapter-2: Self and Personality (Continued....)	Assessment of Personality
JUNE	15	Chapter-2: Self and Personality	
PORTION FOR FIRST PERIODIC TEST (PT-I): (First week of July)		Chapter-1: Variations in Psychological Attributes Chapter-2: Self and Personality	
JULY	25	Chapter-3: Meeting Life Challenges	Assessment of Stress
AUGUST	25	Chapter-4: Psychological Disorders	Case Study
PORTION FOR HALF YEARLY EXAMS: (Third week of September)		Chapter-1: Variations in Psychological Attributes Chapter-2: Self and Personality Chapter-3: Meeting Life Challenges Chapter-4: Psychological Disorders	
SEPTEMBER	25	Chpter-5: Therapeutic Approaches	Assessment of Anxiety/Depression
OCTOBER	16	Chapter-6: Attitude and Social Cognition	Assessment of Attitude
NOVEMBER	22	Chapter-7: Social Influences and Group processes (Revision)	
PORTION FOR PRE-BOARD: (Last week of November/First week of December)		Full Syllabus As mentioned in CBSE Curriculum	
DECEMBER	19		
PORTION FOR PRE-BOARD-II: First week of January		Full Syllabus As mentioned in CBSE Curriculum	
JANUARY	26		
FEBRUARY	24		

NOTE: For classes XI and XII, month wise split up of practical also need to be incorporated.

D.A.V.INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: SOCIOLOGY

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Book-1 (Indian Society) Chapter 2- The Demographic Structure of the Indian Society Chapter 3- Social Institutions: Continuity and Change	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.
MAY	12	Book-1 (Indian Society) Chapter 5 -Patterns of Social Inequality and Exclusion	do
JUNE	15	Book-1 (Indian Society) – Chapter-6 The Challenges of Cultural Diversity	do
PORTION FOR FIRST PERIODIC TEST (PT I): **PT I (First week of July)		Chapter 2 and 3	
JULY	25	Book-2- (Social Change and Development in India)- Chapter-1- Structural Change	Significance and relevance of the topic; challenges encountered while conducting the research.
AUGUST		25	
AUGUST		Book-2- (Social Change and Development in India)- Chapter-2- Cultural Change and Revision of Half Yearly Examination portion	do
PORTION FOR MID TERM		Book-1 (Indian Society)- Chapters 2,3,5,6	
SEPTEMBER	25	Book-2- (Social Change and Development in India)- Chapter 4- Change and Development in Rural Society and Chapter 5- Change and Development in Industrial Society	do
OCTOBER	16	Book-2- (Social Change and Development in India) Chapter 8 - Social Movements	Content analysis and its relevance in the current scenario
NOVEMBER	22	Revision of Pre Board 1	Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.(...to be continued)
PORTION FOR THIRD PERIODIC TEST / FIRST PRE BOARD **Last week of November/First week of December		Book-1 (Indian Society) – Chapters 2,3,5,6 Book-2- (Social Change and Development in India)-Chapters 1,2,4	

DECEMBER	19	Revision of whole syllabus (Pre Board 2) , to finalize the project and solving sample papers.	Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.
SECOND PRE-BOARD ** First week of January		Full syllabus as prescribed by Board	
JANUARY	26	Clearing Doubts on concerned topics	
FEBRUARY	24		

D.A.V. PUBLIC/MODEL SCHOOLS, WEST BENGAL ZONE**SESSION: 2023–2024****DIVIDED SYLLABUS****CLASS: XII****SUBJECT: PHYSICAL EDUCATION (048)**

MONTH	CHAPTERS TO BE TAUGHT	PRACTICAL WORK
April (19 Days)	Unit I- Management of Sporting Events Unit II- Children & Women in Sports	1. Anyone IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.
May (10 Days)	Unit III- Yoga as Preventive measure for Lifestyle Disease	
HOLIDAY HOME WORK (SUMMER BREAK) : - Anyone IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.		
June (12 Days)	Unit III- Yoga as Preventive measure for Lifestyle Disease (Remaining Part) Unit IV- Physical Education & Sports for CWSN (Children with Special Needs - Divyang)	2. Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease
July (21 Days)	Unit V- Sports & Nutrition Unit VI- Test & Measurement in Sports	
PORTION FOR PERIODIC TEST-I : (FIRST WEEK OF JULY) 1. Unit I Management of Sporting Events 2. Unit II Children & Women in Sports.		
August (20 Days)	Unit VI- Test & Measurement in Sports (Remaining Part) Unit VII- Physiology & Injuries in Sports	
September (22 Days)	Unit VII- Physiology & Injuries in Sports (Remaining Part) REVISION (UNIT-1 TO UNIT-5)	
PORTION FOR HALFYEARLY EXAMINATION: (THIRD WEEK OF SEPTEMBER) 1. Unit I Management of Sporting Events 2. Unit II Children & Women in Sports 3. Unit III Yoga as Preventive measure for Lifestyle Disease 4. Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang) 5. Unit V Sports & Nutrition		

October (11 Days)	Unit VIII- Biomechanics & Sports	Fitness tests administration. (SAI Khelo India Test)
November (21 Days)	Unit IX- Psychology & Sports Unit X- Training in Sports	
December (17 Days)	Unit X Training in Sports (Remaining Part) Revision (UNIT-1 TO UNIT-10)	
PORTION FOR PRE BOARD-I : (LAST WEEK OF NOVEMBER/FIRST WEEK OF DECEMBER) FULL SYLLABUS AS PER CBSE CURRICULUM – 2023-24		
January (21 Days)	Revision (UNIT-1 TO UNIT-10)	
PORTION FOR PRE BOARD-II : (FIRST WEEK OF JANUARY) FULL SYLLABUS AS PER CBSE CURRICULUM – 2023-24		

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.**SPLIT UP SYLLABUS FOR THE SESSION 2023-24****SUBJECT: COST ACCOUNTING****CLASS: XII**

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	Unit 1: Single or Output Costing	
MAY	12	Unit 1: Single or Output Costing Unit 2: Job Costing and Batch Costing Employability skill: Communication Skills	PRACTICAL TO BE STARTED
JUNE	15	Unit 2: Job Costing and Batch Costing Unit 3: Contract Costing Employability skill: Communication Skills	
PORTION FOR FIRST PERIODIC TEST: **PT I (First week of July)		Unit 1: Single or Output Costing Unit 2: Job Costing and Batch Costing Employability skill: Communication Skills	
JULY	25	Unit 3: Contract Costing Unit 4: Process Costing Employability skill: Self-Management Skills	
AUGUST	25	Unit 4: Process Costing Unit 5: Operating Costing or Service Costing Employability skill: Self-Management Skills	
PORTION FOR HALF YEARLY EXAMS: **PT II/HY (Third week of September)		Unit 1: Single or Output Costing Unit 2: Job Costing and Batch Costing Unit 3: Contract Costing Unit 4: Process Costing Employability skill: Communication Skills; Employability skill: Self-Management Skills	
SEPTEMBER	25	Unit 4: Process Costing Unit 5: Operating Costing or Service Costing Employability skill: Information and Communication Technology Skills	
OCTOBER	16	Unit 6: Reconciliation of Cost and Financial Accounts Employability skill: Entrepreneurship Skills	
NOVEMBER	22	Unit 6: Reconciliation of Cost and Financial Accounts Employability skill: Green skills	
PORTION FOR FIRST PRE-BOARD: **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision of overall syllabus	COMPLETION OF PROJECT FILE
PORTION FOR SECOND PRE-BOARD: ** First week of January		FULL SYLLABUS	
JANUARY	26	Revision of overall syllabus & Board practical	
FEBRUARY	24	Revision of overall syllabus & Board practical	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: PAINTING

CLASS: XII

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	UNIT 1 (a) : RAJASTHANI SCHOOL OF MINIATURE PAINTING	UNIT 1 : NATURE STUDY MEDIUM : ANY MEDIUM OF COLOUR
MAY	12	UNIT 1 (b) : PAHARI SCHOOL OF MINIATURE PAINTING	UNIT 1 : OBJECT STUDY MEDIUM : ANY MEDIUM OF COLOUR
JUNE	15	UNIT 2 (a) : MUGHAL SCHOOL OF MINIATURE PAINTING	UNIT 2 : PAINTING COMPOSITION - IMAGINATIVE PAINTING BASED ON SUBJECTS FROM LIFE AND NATURE. MEDIUM: ANY MEDIUM OF COLOUR
PORTION FOR FIRST PERIODIC TEST (PT I-III -XII): **PT I (First week of July)		THEORY: UNIT 1 (a) : RAJASTHANI SCHOOL OF MINIATURE PAINTING UNIT 1 (b) : PAHARI SCHOOL OF MINIATURE PAINTING PRACTICAL: UNIT 1 : OBJECT STUDY MEDIUM : ANY MEDIUM OF COLOUR	
JULY	25	UNIT 2 (a) : MUGHAL SCHOOL OF MINIATURE PAINTING UNIT 2 (b) : DECCAN SCHOOL OF MINIATURE PAINTING	UNIT 2: PAINTING COMPOSITION - IMAGINATIVE PAINTING BASED ON SUBJECTS FROM LIFE AND NATURE. MEDIUM: ANY MEDIUM OF COLOUR.
AUGUST	25	UNIT 3 (a) i) : NATIONAL FLAG OF INDIA AND THE SYMBOLIC SIGNIFICANCE OF ITS FORMS AND THE COLOURS. UNIT 3 (a) ii) : THE BENGAL SCHOOL OF PAINTING	UNIT 2: CREATIVE AND MODERN PAINTING IN MIXED MEDIA.
HALF YEARLY EXAMS (III-XII): **PT II/HY (Third week of September)		THEORY: UNIT 2 (a) : MUGHAL SCHOOL OF MINIATURE PAINTING UNIT 2 (b) : DECCAN SCHOOL OF MINIATURE PAINTING UNIT 3 (a) i) : NATIONAL FLAG OF INDIA AND THE SYMBOLIC SIGNIFICANCE OF ITS FORMS AND THE COLOURS.	

		PRACTICAL: UNIT 1 : OBJECT STUDY MEDIUM : ANY MEDIUM OF COLOUR UNIT 2: PAINTING COMPOSITION - IMAGINATIVE PAINTING BASED ON SUBJECTS FROM LIFE AND NATURE. MEDIUM: ANY MEDIUM OF COLOUR.	
SEPTEMBER	25	UNIT 3 (a) ii) : THE BENGAL SCHOOL OF PAINTING UNIT 3 (a) iii) : CONTRIBUTION OF INDIAN ARTISTS IN THE STRUGGLE FOR NATIONAL FREEDOM MOVEMENT.	UNIT 3 : INDIAN FOLK PAINTING IN ANY MEDIUM
OCTOBER	16	UNIT 3 (b) i) : THE MODERN TRENDS IN INDIAN ART (PAINTINGS)	UNIT 3 : PREPARATION OF PORTFOLIO
NOVEMBER	22	UNIT 3 (b) ii) & iii) : THE MODERN TRENDS IN INDIAN ART (GRAPHIC-PRINTS & SCULPTURES)	UNIT 3 : PREPARATION OF PORTFOLIO
FIRST PRE BOARD (X & XII) : **Last week of November/First week of December		THEORY: UNIT 1 (a) : RAJASTHANI SCHOOL OF MINIATURE PAINTING UNIT 1 (b) : PAHARI SCHOOL OF MINIATURE PAINTING UNIT 2 (a) : MUGHAL SCHOOL OF MINIATURE PAINTING UNIT 2 (b) : DECCAN SCHOOL OF MINIATURE PAINTING UNIT 3 (a) ii) : THE BENGAL SCHOOL OF PAINTING UNIT 3 (a) iii) : CONTRIBUTION OF INDIAN ARTISTS IN THE STRUGGLE FOR NATIONAL FREEDOM MOVEMENT. UNIT 3 (b) i) ii) & iii) : THE MODERN TRENDS IN INDIAN ART (PAINTING, GRAPHIC-PRINTS & SCULPTURES) PRACTICAL: UNIT 1 : OBJECT STUDY MEDIUM : ANY MEDIUM OF COLOUR. UNIT 2 : PAINTING COMPOSITION - IMAGINATIVE PAINTING BASED ON SUBJECTS FROM LIFE AND NATURE. MEDIUM: ANY MEDIUM OF COLOUR. UNIT 3 : PORTFOLIO ASSESSMENT.	
DECEMBER	19	REVISION	REVISION
SECOND PRE-BOARD (X & XII) ** FIRST WEEK OF JANUARY – SECOND PRE BOARD		FULL SYLLABUS (THEORY AND PRACTICAL)	
JANUARY	26	_____	_____
FEBRUARY	24	_____	_____