

# ARMY PUBLIC SCHOOL DAMANA

## SPLIT UP SYLLABUS (2023-24)

CLASS: XI

SUB: ENGLISH

PRESCRIBED BOOK:

I. HORNBILL-MCB

II. SNAPSHOTS- SUPPLEMENTARY BOOK

MONTH/DAYS	EXAMINATION	CONTENT
JUNE (13 Days) + 6 Days	EXTRA CLASSES	<b><u>HORNBILL</u></b> Lesson 1-The Portrait of a lady <b><u>SNAPSHOTS</u></b> Lesson 1- The Summer of a Beautiful White Horse <b><u>WRITING SKILL</u></b> Poster Designing
JULY (18 Days)	UT-I (17 July-24 July 2023)	<b><u>HORNBILL</u></b> Poem 1- A Photograph Lesson 2 – We’re Not Afraid to Die...if we can be together <b><u>SNAPSHOTS</u></b> Lesson 2- The Address <b><u>GRAMMAR</u></b> The Tenses <b><u>WRITING SKILL</u></b> Classified Advertisement
AUGUST (24 Days)		<b><u>HORNBILL</u></b> Poem 2- The Laburnum Top Lesson 3- Discovering Tut: the Saga Continues <b><u>SNAPSHOTS</u></b> Lesson 3-Mother’s Day <b><u>GRAMMAR</u></b> The Tenses (Contd.) <b><u>READING SKILL</u></b> Note making and summarising
SEPTEMBER (23 Days)	HALF YEARLY EXAM (18 Sep - 29 Sep 2023)	<b><u>HORNBILL</u></b> Poem 3- The Voice of the Rain Lesson 4- The Adventure <b><u>GRAMMAR</u></b> Transformation of Sentences <b><u>WRITING SKILL</u></b> Debate writing, Speech writing <b>REVISION FOR HALF YEARLY EXAM</b>
OCTOBER (23 Days)		<b><u>HORNBILL</u></b> Poem 4- Childhood  <b><u>SNAPSHOTS</u></b> Lesson 4- Birth

		<b><u>GRAMMAR</u></b> Clauses
<b>NOVEMBER (20 Days)</b>		<b><u>HORNBILL</u></b> Poem 5- Father to Son <b><u>SNAPSHOTS</u></b> Poem 5-The Tale of Melon City <b><u>WRITING SKILL</u></b> Classified Advertisement (Revision)
<b>DECEMBER (19 Days)</b>	<b>UT-II (12 Dec-18 Dec 2022)</b>	<b>HORNBILL</b> Lesson 5- Silk Road <b>REVISION FOR ANNUAL EXAMINATION</b>
<b>JANUARY (20 Days)</b>		<b>REVISION FOR ANNUAL EXAMINATION</b>
<b>FEBRUARY (24 Days)</b>		<b>REVISION FOR ANNUAL EXAMINATION</b>
<b>MARCH (14 Days)</b>	<b>Annual Exam (1- 19 March 2023)</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>

ARMY PUBLIC SCHOOL DAMANA  
SPLIT UP SYLLABUS (2023-24)

CLASS: XI  
PRESCRIBED BOOK: NCERT

SUB: BIOLOGY

MONTH/DAYS	CONTENT
JUNE (13)	<p>Chapter-1: The Living World What is living? Biodiversity; Need for classification; three domains of life; taxonomy and Systematics; concept of species and taxonomical hierarchy; binomial nomenclature.</p> <p>Chapter-2: Biological Classification Five kingdom classification; Salient features and classification of Monera, Protista</p>
JULY (18) UT-I (17-24)	<p>Chapter-2: ,Fungi into major groups: Lichens, Viruses and Viroids.</p> <p>Chapter-3: Plant Kingdom Salient features and classification of plants into major groups - Algae, Bryophyte, Pteridophyte, Gymnosperm and Angiosperm (three to five salient and distinguishing features and at least two examples of each category); Angiosperms - classification upto class, characteristic features and examples.</p> <p>Chapter-4: Animal Kingdom Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category). (No live animals or specimen should be displayed.)</p>
AUG (24)	<p>Unit-II Structural Organization in Animals and Plants</p> <p>Chapter-5: Morphology of Flowering Plants Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae.</p> <p>Chapter-6: Anatomy of Flowering Plants Anatomy and functions of different tissues and tissue systems.</p> <p>Chapter-7: Structural Organisation in Animals Animal tissues; Morphology, anatomy and functions of different systems of frog.</p> <p>Chapter-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>
SEP (23) (Half-yearly)	<p>Chapter-9: Biomolecules Chemical constituents of living cells: biomolecules, structure and function of proteins</p>
OCT (23)	<p>Chapter-9: carbohydrates, lipids, nucleic acids; Enzymes- types, properties, enzyme action.</p> <p>Chapter-10: Cell Cycle and Cell Division Cell cycle, mitosis, meiosis and their significance</p> <p>Unit-IV Plant Physiology</p> <p>Chapter-11: Photosynthesis in Higher Plants Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic</p>

	<p>photophosphorylation; Chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.</p>
NOV (20)	<p>Chapter-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; amphibolic pathways; respiratory quotient.</p> <p>Chapter-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; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; seed dormancy; vernalisation; photoperiodism</p>
DEC (19)	<p>Unit-V Human Physiology</p> <p>Chapter-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</p> <p>Chapter-15: Body Fluids and Circulation Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - 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>Chapter-16: Excretory Products and Their Elimination 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 - uraemia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.</p>
JAN (20)	<p>Chapter-17 : Locomotion and Movement Types of movement - ciliary, flagellar, muscular; skeletal muscle- contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal system - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.</p> <p>Chapter-18 : Neural Control and Coordination Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse; reflex action.</p> <p>Chapter-19: Chemical Coordination and Integration 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 goiter, diabetes, Addison's disease.</p> <p>REVISION</p>
FEB (24)	REVISION
MAR(6)	ANNUAL EXAMINATION



# ARMY PUBLIC SCHOOL DAMANA

## SPLIT UP SYLLABUS (2023-24)

**CLASS: XI**

**SUBJECT: MATHEMATICS**

MONTH/DAYS	EXAMINATION	CONTENT
June 15 Days	Summer Break 14 June-07 July	<ul style="list-style-type: none"><li>• Sets</li></ul>
July 18 Days	Unit Test II 17-24 July 2023 PTM 02 August 2023	<ul style="list-style-type: none"><li>• Relations and Functions</li></ul>
August 24 Days		<ul style="list-style-type: none"><li>• Trigonometry</li><li>• Complex Numbers</li></ul>
September 23 Days	Half Yearly 18-29 September 2023 PTM 13 October 2023	<ul style="list-style-type: none"><li>• Linear Inequalities</li><li>• Permutations and Combinations</li></ul>
October 23 Days		<ul style="list-style-type: none"><li>• Binomial Theorem</li><li>• Sequence and Series</li></ul>
November 20 Days	Autumn Break 11- 15 November	<ul style="list-style-type: none"><li>• Straight Lines</li><li>• Conic Sections</li></ul>
December 19 Days	UT II 11-18 December Winter Break 24 Dec – 07 January	<ul style="list-style-type: none"><li>• 3D Geometry</li><li>• Limits and Derivatives</li></ul>
January 20 Days		<ul style="list-style-type: none"><li>• Statistics</li><li>• Probability</li></ul>
February 24 Days		Revision and practice of syllabus
March 15 Days	Annual Exam 01 – 19 March PTM 28 March	

**ARMY PUBLIC SCHOOL DAMANA**  
**SYLLABUS OF CHEMISTRY (SPLIT-UP)**  
**CLASS-XI (SESSION 2023-24)**

MONTHS	UNIT	CONTENT	LAB. ACTIVITIES
June (13)	<b>Unit I: Some Basic Concepts of Chemistry</b>	<ul style="list-style-type: none"> <li>• General Introduction: Importance and scope of chemistry.</li> <li>• Nature of matter, laws of chemical combination,</li> <li>• Dalton's atomic theory:</li> <li>• concept of elements, atoms and molecules.</li> <li>• Atomic and molecular masses,</li> <li>• mole concept and molar mass, percentage composition,</li> <li>• empirical and molecular formula, chemical reactions,</li> <li>• stoichiometry and calculations based on stoichiometry.</li> </ul>	
July (21)	<b>Unit II: Structure of Atom</b>	<ul style="list-style-type: none"> <li>• Discovery of Electron, Proton and Neutron,</li> <li>• atomic number, isotopes and isobars. j</li> <li>• Thomson's model and its limitations.</li> <li>• Rutherford's model and its limitations,</li> <li>• Bohr's model and its limitations,</li> <li>• concept of shells and sub shells,</li> <li>• dual nature of matter and light, de Broglie's relationship,</li> <li>• Heisenberg uncertainty principle,</li> <li>• concept of orbital,</li> <li>• quantum numbers, shapes of s, p and d orbital,</li> <li>• rules for filling electrons in orbital -Aufbau principle,</li> <li>• Pauli's exclusion principle and Hund's rule,</li> <li>• electronic configuration of atoms,</li> <li>• stability of half filled and completely filled orbitals</li> </ul> <p style="text-align: center;"><b>REVISION OF CHAPTER 1 &amp; 2</b></p>	<p><b>1. EXPERIMENT:</b> Preparation of standard solution of oxalic acid</p> <p>Determination of strength of a given solution of sodium hydroxide by titrating it with standard solution of oxalic acid</p>
17 JULY 2023- 24 JULY 2023	<b>UNIT TEST I</b>	CHAPTER 1 & 2	
August ( 24)	<b>Unit III: Classification of Elements and Periodicity in Properties</b>  <b>Unit IV: Chemical Bonding and Molecular Structure</b>	<p>Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii Ionization enthalpy, electron gain enthalpy, electro negativity, valency.</p> <ul style="list-style-type: none"> <li>• Nomenclature of elements with atomic number greater than 100</li> <li>• Valence electrons, ionic bond,</li> <li>• covalent bond; bond parameters,</li> <li>• Lewis structure,</li> <li>• polar character of covalent bond,</li> <li>• covalent character of ionic bond,</li> <li>• Valence bond theory, resonance,</li> <li>• geometry of covalent molecules,</li> <li>• VSEPR theory,</li> <li>• concept of hybridization, involving s,p and d orbitals and shapes of some simple molecules,</li> <li>• molecular orbital theory of homonuclear</li> <li>• diatomic molecules (qualitative idea only),</li> <li>• hydrogen bond.</li> </ul>	<p>3. Determination of m.pt. of an organic compound</p> <p>4. Determination of boiling point of an organic compound</p>

<p>September (23)</p>	<p><b>Unit V: Chemical Thermodynamics</b></p>	<ul style="list-style-type: none"> <li>• Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions.</li> <li>• First law of thermodynamics – internal energy and enthalpy, heat capacity and specific heat, measurement of <math>\Delta U</math> and <math>\Delta H</math>,</li> <li>• Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution.</li> <li>• Second law of Thermodynamics (brief introduction)</li> <li>• Introduction of entropy as a state function,</li> <li>• Gibb's energy change for spontaneous and non-spontaneous processes,</li> <li>• criteria for equilibrium.</li> <li>• Third law of thermodynamics (brief introduction)</li> </ul>	<p>5.To prepare crystals of potash alum from crude sample</p> <p>6. To prepare crystals of copper sulphate from crude sample</p> <p>7.Determination of pH of some solution obtained from fruit juice using pH paper</p>
<p>18 SEPT 2023 - 29 SEPT 2023</p>	<p>HALF YEARLY</p>	<p><b>CHAPTER I - V</b></p>	<p>PTM - 13 OCT 2023</p>
<p>OCTOBER ( 23)</p>	<p><b>Unit VI: Equilibrium</b></p>	<p>Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium – Le Chatelier's principle, ionic equilibrium-ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, Henderson Equation, hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (with illustrative examples)</p>	<p>8.To determine one anion and one cation in the given salt</p> <p>9.Detection of extra elements in in a given organic compound</p>
<p>NOVEMBER (20)</p>	<p><b>Unit VII: Redox Reaction</b></p>	<ul style="list-style-type: none"> <li>• Concept of oxidation and reduction, redox reactions, oxidation number,</li> <li>• balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number,</li> <li>• applications of redox reactions.</li> <li>• Position of hydrogen in periodic table,</li> <li>• occurrence,</li> <li>• isotopes,</li> <li>• preparation, properties and uses of hydrogen, hydrides-ionic covalent and interstitial;</li> <li>• physical and chemical properties of water, heavy water,</li> <li>• hydrogen peroxide -preparation, reactions and structure and use; hydrogen as a fuel.</li> </ul>	



DECEMBER (19)	Unit VIII: Organic Chemistry - Some Basic Principles and Technique	<ul style="list-style-type: none"> <li>• General introduction,</li> <li>• methods of purification, qualitative and quantitative analysis, classification and IUPAC</li> <li>• nomenclature of organic compounds.</li> <li>• Electronic displacements in a covalent bond:</li> <li>• inductive effect,</li> <li>• electromeric effect, resonance and hyper conjugation.</li> <li>• Homolytic and heterolytic fission of a covalent bond:</li> <li>• free radicals,</li> <li>• carbocations, carbanions, electrophiles and nucleophiles,</li> <li>• types of organic reactions.</li> </ul>	
11 DEC 2023- 18 DEC 2023	UNIT TEST-2	<u>UNIT VI,VII &amp; VIII</u>	PTM - 23 DEC 2023
24 DEC 2023- 07 JAN 2024	WINTER BREAK	<u>Holidays' Task</u> : Practice sheets & sample papers	
JAN 2024 (20)	Unit IX: Hydrocarbons	<p>Classification of Hydrocarbons</p> <p>Aliphatic Hydrocarbons:</p> <p><b>Alkanes</b> - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.</p> <p><b>Alkenes</b> - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, <b>chemical reactions</b>: addition of hydrogen, halogen, water, hydrogen halides (Markownikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.</p> <p><b>Alkynes</b> - Nomenclature, structure of triple bond (ethyne) physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of -hydrogen, halogens, hydrogen halides and water.</p> <p><b>Aromatic Hydrocarbons</b>: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.</p>	
FEBRUARY (24)		<u>REVISION OF WHOLE SYLLABUS</u>	
01 MARCH 2024 - 19 MARCH 2024		<b>FINAL EXAM</b>	

**ARMY PUBLIC SCHOOL DAMANA**  
**SYLLABUS OF PHYSICS (SPLIT-UP)**  
**CLASS-XI (SESSION 2023-24)**

MONTHS	UNIT	CONTENT	LAB. ACTIVITIES
June (13)	<b>Unit I: Physical World and Measurement</b> Chapter–2: Units and Measurements	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications.	
July (21)	<b>Unit II: Kinematics</b>  Chapter–3: 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, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).  <b>REVISION OF CHAPTER 2 &amp; 3</b>	<b>EXPERIMENT:</b> 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. 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
17 JULY 2023- 24 JULY 2023	<b>UNIT TEST I</b>	CHAPTER 2 &3	
August ( 24)	Chapter–4: Motion in a Plane  <b>Unit III: Laws of Motion</b>	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  Chapter–5: 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).	3. To determine volume of an irregular lamina using screw gauge.  4. To determine radius of curvature of a given spherical surface by a spherometer.

<p>September (23)</p>	<p><b>Unit IV: Work, Energy and Power</b> Chapter–6: Work, Energy and Power</p> <p><b>Unit V: Motion of System of Particles and Rigid Body</b> Chapter–7: System of Particles and Rotational Motion</p>	<p>Work done by a constant force and a variable force; kinetic energy, workenergy 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>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>5. Using a simple pendulum, plot its L-T<sup>2</sup> graph and use it to find the effective length of second's pendulum.</p>
<p>18 SEPT 2023 - 29 SEPT 2023</p>	<p>HALF YEARLY</p>	<p><b>CHAPTER I - V</b></p>	<p>PTM - 13 OCT 2023</p>
<p>OCTOBER ( 23)</p>	<p><b>Unit VI: Gravitation</b> Chapter–8: Gravitation</p> <p><b>Unit VII: Properties of Bulk Matter</b></p> <p>Chapter–9: Mechanical Properties of Solids.</p> <p>Chapter–10: Mechanical Properties of Fluids</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.</p> <p>Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy.</p> <p>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. 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>6. To determine Young's modulus of elasticity of the material of a given wire.</p> <p>7. To find the force constant of a helical spring by plotting a graph between load and extension.</p>

<p><b>NOVEMBER</b> <b>(20)</b></p>	<p>Chapter–11: Thermal Properties of Matter</p> <p><b>Unit VIII:</b> Thermodynamics</p> <p>Chapter–12:</p>	<p>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>Thermodynamics Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.</p>	<p>8. 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.</p>
<p><b>DECEMBER</b> <b>(19)</b></p>	<p><b>Unit IX: Behaviour of Perfect Gases and Kinetic Theory of Gases</b></p> <p>Chapter–13:</p> <p><b>Unit X: Oscillations and Waves</b></p> <p>Chapter–14:</p>	<p>Kinetic Theory 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 equipartition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.</p> <p>Oscillations Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M) 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>	<p><b>Activities.</b></p>
<p><b>11 DEC 2023- 18 DEC 2023</b></p>	<p><b>UNIT TEST-2</b></p>	<p><b><u>UNIT VI,VII &amp; VIII</u></b></p>	<p><b>PTM - 23 DEC 2023</b></p>
<p><b>24 DEC 2023- 07 JAN 2024</b></p>	<p><b>WINTER BREAK</b></p>	<p><b><u>Holidays' Task:</u></b> Practice sheets &amp; sample papers</p>	
<p><b>JAN 2024</b> <b>(20)</b></p>	<p><b>Unit X: Oscillations and Waves</b></p> <p>Chapter–15: Waves Wave motion:</p>	<p>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><b>FEBRUARY</b> <b>(24)</b></p>		<p><b><u>REVISION OF WHOLE SYLLABUS</u></b></p>	
<p><b>01 MARCH 2024 - 19 MARCH 2024</b></p>		<p><b>FINAL EXAM</b></p>	

**ARMY PUBLIC SCHOOL DAMANA****SPLIT UP SYLLABUS (2023-24)**

CLASS: XI

SUBJECT: COMPUTER SCIENCE

**BOOKS PRESCRIBED: SUMITA ARORA, PREETI ARORA**

<b>MONTHS/ DAYS</b>	<b>EXAMINATION</b>	<b>CONTENT</b>
<b>JUNE 13 DAYS</b>		<b>UNIT- I - Computer Systems And Organisation</b> <ul style="list-style-type: none"><li>● Basic computer organisation:</li><li>● Types of software: System</li><li>● Boolean logic, Number System: Binary</li></ul>
<b>JULY 18 DAYS</b>	<b>UNIT TEST –I 17<sup>TH</sup> JULY-24<sup>TH</sup> JULY 2023 PTM -02<sup>ND</sup> AUG 2023</b>	<b>Unit II: Computational Thinking and Programming</b> <ul style="list-style-type: none"><li>● Introduction to Problem-solving:</li><li>● Familiarization with the basics of Python programming:</li><li>● Knowledge of data types, Operators:</li></ul>
<b>AUGUST 24 DAYS</b>		<ul style="list-style-type: none"><li>● Flow of Control:</li><li>● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.</li><li>● Python Strings, Lists: introduction</li></ul>
<b>SEPTEMBER 23 DAYS</b>	<b>HALF YEARLY 18<sup>TH</sup> SEPT. 29<sup>TH</sup> SEPT. 2023 PTM 13<sup>TH</sup> OCT. 2023</b>	<ul style="list-style-type: none"><li>● Tuples: introduction, Dictionary: introduction,</li><li>● Introduction to Python modules: Importing module using 'import &lt;module&gt;'</li></ul>
<b>OCTOBER 23 DAYS</b>		<b>Unit III: Society, Law and Ethics</b> <ul style="list-style-type: none"><li>● Digital Footprints, Data protection</li><li>● Digital Society and Netizen: net etiquettes</li><li>● Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying</li><li>● E-waste management: proper disposal of used electronic gadgets.</li><li>● Information Technology Act (IT Act)</li></ul>
<b>NOVEMBER 20 DAYS</b>		<b>REVISION</b>
<b>DECEMBER 19 DAYS</b>	<b>UNIT TEST –II 11<sup>TH</sup> DEC. -18<sup>TH</sup> DEC.2023 PTM-23<sup>RD</sup> 2023</b>	<b>REVISION</b>
<b>JAN 20 DAYS</b>		<b>REVISION</b>
<b>FEB 24 DAYS</b>		<b>REVISION</b>
<b>MARCH 15</b>	<b>ANNUAL EXAMINATION 01<sup>ST</sup> MAR.-19<sup>TH</sup> MAR. 24 PTM- 28<sup>TH</sup> MAR. 2024</b>	<b>REVISION</b>

**ARMY PUBLIC SCHOOL DAMANA****SPLIT UP SYLLABUS (2023-24)****CLASS: XI****SUBJECT: PSYCHOLOGY****BOOKS PRESCRIBED:****1. TEXT BOOK OF PSYCHOLOGY (NCERT)**

<b>MONTH</b>	<b>EXAMINATION</b>	<b>TOPICS</b>
<b>JUNE (13)</b>		<b>Unit II: Methods of Enquiry in Psychology</b> Goals of psychological enquiry; Nature of psychological data; Some important methods: Observational, Experimental, Correlation, Survey, Psychological testing Case Study; Analysis of data; Limitations of psychological enquiry; Ethical issues.
<b>JULY (18)</b>	<b>UNIT TEST-I</b> <b>17-24 JULY 2023</b> <b>PTM: 02 AUG 2023</b>	<b>Unit I: What is Psychology?</b> What is psychology? Popular notions about discipline of psychology; Understanding mind and behavior; Evolution of psychology; Branches of psychology; Psychology and other disciplines, Psychology in everyday life; Development of Psychology in India.
<b>AUGUST (24)</b>		<b>Unit IV: Human Development</b> This unit deals with variations in development and the developmental tasks during the life span. Meaning of development; Factors influencing development; Context of development; Overview of developmental stages: Infancy, Childhood, Challenges of Adolescence, Adulthood and Old age.
<b>SEPTEMBER (23)</b>	<b>HALF YEARLY</b> <b>18-29 SEP 2023</b> <b>PTM: 13 OCT 2023</b>	<b>Unit V: Sensory, Attentional and Perceptual Processes</b> Nature and varieties of stimulus, Sense modalities, Attentional processes, Selective and sustained attention ; Perceptual processes; The Perceiver, Principles of perceptual organization, After images, Perception of space, depth and distance, Perceptual constancies, Illusions, Socio-cultural influences on perception  <b>Unit VI: Learning</b> Nature of learning; Paradigms of learning: Classical and operant conditioning, Observational learning, Cognitive learning, Verbal learning,

<p><b>OCTOBER (23)</b></p>		<p><b>Unit VI: Learning</b> Skill learning, Factors facilitating learning, Transfer of learning, The Learner: Learning styles, Learning disabilities, Applications of learning principles.</p> <p><b>Unit VII: Human Memory</b> Nature of memory; Information Processing Approach; Levels of processing, Memory systems, Sensory memory, Short-term memory, Long-term memory, Knowledge organization in memory, Memory as a constructive process, Nature and causes of forgetting, Enhancing memory</p>
<p><b>NOVEMBER (20)</b></p>		<p><b>Unit VIII: Thinking</b> Reasoning, problem-solving, decision making and creative thinking. The relationship between thought and language will also be discussed, Nature of thinking; Thought and language; Development of language and language use; Reasoning; Problem-solving; Decision making; Nature and Process of creative thinking; Developing creative thinking.</p>
<p><b>DECEMBER (19)</b></p>	<p><b>UNIT TEST-II 11-18 DEC 2023 PTM: 23 DEC 2023</b></p>	<p><b>Unit IX: Motivation and Emotion</b> Nature of motivation, Biological motives; Social and psychological motives Achievement, Affiliation and Power, Maslow’s hierarchy of needs; Nature of emotions, Physiological, cognitive and cultural bases of emotions, Expression of emotions; Enhancing positive emotions, e.g. Happiness, Optimism etc., Managing negative emotions, e.g. anger, fear etc.</p>
<p><b>JANUARY (20)</b></p>		<p>REVISION</p>
<p><b>FEBRUARY (24)</b></p>		<p>REVISION</p>
<p><b>MARCH (15)</b></p>	<p><b>ANNUAL EXAM 01-19 MAR 2024 PTM : 28 MARCH 2024</b></p>	<p>REVISION</p>

**ARMY PUBLIC SCHOOL DAMANA  
SPLIT UP SYLLABUS (2023-24)**

**CLASS: XI**

**SUBJECT: IP**

**BOOKS PRESCRIBED: SUMITA ARORA, PREETI ARORA**

<b>MONTHS/ DAYS</b>	<b>EXAMINATION</b>	<b>CONTENT</b>
<b>JUNE 13 DAYS</b>		<b>UNIT-I Introduction to Computer System</b> <ul style="list-style-type: none"> <li>• Introduction to computer and computing:</li> <li>• Computer Memory, Types of software</li> </ul> <b>Unit 2: Introduction to Python</b> <ul style="list-style-type: none"> <li>• Basics of Python programming,</li> </ul>
<b>JULY 18 DAYS</b>	<b>UNIT TEST –I</b> <b>17<sup>TH</sup> JULY-24<sup>TH</sup> JULY</b> <b>2023</b> <b>PTM -02<sup>ND</sup> AUG 2023</b>	<ul style="list-style-type: none"> <li>• Control Statements: if-else, if-elif-else, while loop, for loop</li> <li>• List operations</li> </ul>
<b>AUGUST 24 DAYS</b>		<ul style="list-style-type: none"> <li>• Dictionary: concept of key-value pair,</li> </ul> <b>Unit 3: Database concepts and the Structured Query Language</b> <ul style="list-style-type: none"> <li>• Database Concepts:</li> <li>• Relational data model:</li> <li>• DDL, DML, TCL Commands, MySQL, Data Types</li> <li>• Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER</li> <li>• Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators</li> </ul>
<b>SEPTEMBER 23 DAYS</b>	<b>HALF YEARLY</b> <b>18<sup>TH</sup> SEPT. 29<sup>TH</sup> SEPT.</b> <b>2023</b> <b>PTM 13<sup>TH</sup> OCT. 2023</b>	<b>Unit 4: Introduction to the Emerging Trends</b> Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart, cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.
<b>OCTOBER 23 DAYS</b>		<b>REVISION</b>
<b>NOVEMBER 20 DAYS</b>		<b>REVISION</b>
<b>DECEMBER 19 DAYS</b>	<b>UNIT TEST –II</b> <b>11<sup>TH</sup> DEC. -18<sup>TH</sup> DEC.2023</b> <b>PTM-23<sup>RD</sup> 2023</b>	<b>REVISION</b>
<b>JAN 20 DAYS</b>		<b>REVISION</b>
<b>FEB 24 DAYS</b>		<b>REVISION</b>



<b>MARCH 15</b>	<b>ANNUAL EXAMINATION 01<sup>ST</sup> MAR.-19<sup>TH</sup> MAR. 24 PTM- 28<sup>TH</sup> MAR. 2024</b>	<b>REVISION</b>
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**CLASS: XI****SUBJECT: ACCOUNTANCY**

MONTH	EXAMS / PTMS	CONTENTS
MAY	NO CLASSES	
JUNE ( EXTRA CLASSES FROM 15 JUNE-8 JULY 2023-19 DAYS )		Theory Base of Accounting –I
JULY(18)	UT1- 17 JULY-24 JULY 2023	Theory Base of Accounting –II Accounting Equation
AUGUST(24)	PTM-UT1-2 AUG 2023	Journal Entries. Ledger Posting.
SEPTEMBER(23)	HY-18 SEP – 29 SEP	Vouchers, Cash Book.
OCTOBER(23)	PTM HY-13 OCT 2023	Subsidiary Books Trial Balance.
NOVEMBER(20) (AUTMN BRK 11NOV-15 NOV)		Depreciation Bank Reconciliation Statement.
DECEMBER(19) (WINTER BRK 24 DEC- 7 JAN 24)	UT2-11DEC-18DEC (PTM –UT2-23 DEC 2023)	Rectification of Errors  Final Accounts (without adjustments).
JANUARY(20)		Final Accounts (with adjustments). Single Entry
FEBRUARY(24)		REVISION
MARCH(14+1PTM)	ANNUAL EXAM 01 MARCH – 19 MAR 2024 (PTM – 28MAR 2024)	

**CLASS: XI****SUBJECT: BUSINESS STUDIES**

MONTH	EXAMS / PTMS	CONTENTS
MAY	NO CLASSES	
JUNE ( EXTRA CLASSES FROM 15 JUNE-8 JULY 2023-19 DAYS )		INTRODUCTORY SESSION Unit 1: Nature and Purpose of business
JULY(18)	UT1- 17 JULY-24 JULY 2023	Unit 2: Forms of Business organizations
AUGUST(24)	PTM-UT1-2 AUG 2023	Unit 3: Private, Public and Global Enterprises Unit 4: Business Services (half)
SEPTEMBER(23)	HY-18 SEP – 29 SEP	Unit 4: Business Services (half)
OCTOBER(23)	PTM HY-13 OCT 2023	Unit 5: Emerging modes of business Unit 6: Social Responsibility of business
NOVEMBER(20) (AUTMN BRK 11NOV-15 NOV)		Unit 7: Sources of business finance
DECEMBER(19) (WINTER BRK 24 DEC-7 JAN 24)	UT2-11DEC-18DEC (PTM –UT2-23 DEC 2023)	Unit 8: Small Business Unit 9: Internal Trade
JANUARY(20)		Unit 10: International Business
FEBRUARY(24)		REVISION
MARCH(14+1PTM)	ANNUAL EXAM 01 MARCH – 19 MAR	

	2024 (PTM – 28MAR 2024)	
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**ARMY PUBLIC SCHOOL DAMANA  
SPLIT UP SYLLABUS (2023-24)**

**CLASS: XI**

**SUBJECT: ECONOMICS**

**BOOKS PRESCRIBED:**

- 1. STATISTICS FOR ECONOMICS- NCERT&RADHA BHAGUNA**
- 2. STATISTICS FOR ECONOMICS- NCERT ,ML JINGHAN& CASE AND FAIR**

<b>MONTHS/ DAYS</b>	<b>EXAMINATION</b>	<b>CONTENT</b>
<b>JUNE 13 DAYS</b>		<p><b>Introduction</b> What is Economics? Meaning, scope, functions and importance of statistics in Economics</p> <p><b>Collection, Organisation and Presentation of data</b> <b>Organisation of Data:</b> Meaning and types of variables; Frequency Distribution <b>Presentation of Data:</b> Tabular Presentation and Diagrammatic Presentation of Data</p>
<b>JULY 18 DAYS</b>	<b>UNIT TEST –I 17<sup>TH</sup> JULY-24<sup>TH</sup> JULY 2023 PTM -02<sup>ND</sup> AUG 2023</b>	<p><b>Measures of Central Tendency-</b> Arithmetic mean, median and mode <b>Measures of Dispersion</b> - absolute dispersion (range, quartile deviation,</p>
<b>AUGUST 24 DAYS</b>		<p>mean deviation and standard deviation) relative dispersion (co-efficient of range, co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation <b>Correlation</b> – meaning and properties, scatter diagram <b>Introduction to Index Numbers</b> - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers</p>
<b>SEPTEMBER 23 DAYS</b>	<b>HALF YEARLY 18<sup>TH</sup> SEPT. 29<sup>TH</sup> SEPT. 2023 PTM 13<sup>TH</sup> OCT. 2023</b>	<p>Introductory Microeconomics <b>Introduction</b> 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. <b>Consumer's Equilibrium and Demand</b> Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using</p>

		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
<b>OCTOBER 23 DAYS</b>		Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve Price elasticity of demand -factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method. <b>Producer Behaviors and Supply</b> Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. 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. Revenue - total, average and marginal revenue - meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenue- marginal cost.
<b>NOVEMBER 20 DAYS</b>		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. <b>Forms of Market and Price Determination under Perfect Competition with simple applications.</b> Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply.
<b>DECEMBER 19 DAYS</b>	<b>UNIT TEST –II 11<sup>TH</sup> DEC. -18<sup>TH</sup> DEC.2023 PTM-23<sup>RD</sup> 2023</b>	Other Market Forms - monopoly, monopolistic competition -their meaning and features. Simple Applications of Demand and Supply: Price ceiling, price floor
<b>JAN 20 DAYS</b>		<b>REVISION</b>
<b>FEB 24 DAYS</b>		<b>REVISION</b>
<b>MARCH 15</b>	<b>ANNUAL EXAMINATION 01<sup>ST</sup> MAR.-19<sup>TH</sup> MAR. 2024 PTM- 28<sup>TH</sup> MAR. 2024</b>	<b>REVISION</b>
<b>TOTAL DAYS</b>	<b>199</b>	



आर्मी पब्लिक स्कूल दमाना  
पाठ्यक्रम विभाजन 2023-24

कक्षा -XI

विषय-हिन्दी (302)

- निर्धारित पुस्तकें: 1 आरोह भाग -1  
2 वितान भाग -1  
3 अभिव्यक्ति और माध्यम  
4 व्याकरण प्रबोध

मास/दिन	परीक्षा	विषय
जून -13 दिन		1 नमक का दारोगा 2 कबीर 3 मीरा
जुलाई -18 दिन	यू टी -1 (17 जुलाई-24 जुलाई)	1 मियाँ नसीरुदीन 2 रचनात्मक लेख और औपचारिक पत्र
अगस्त -24 दिन		1 घर की याद 2 अप्पू के साथ ढाई साल 3 जनसंचार माध्यम 4 भारतीय गायिकाओं में बेजोड़ -लता मंगेशकर
सितंबर - 23 दिन	अर्द्धवार्षिक परीक्षा (18 सितम्बर-29 सितम्बर)	1 पत्रकारिता के आयाम 2 डायरी लेखन की कला 3 गलत लोहा
अक्टूबर- 23 दिन		1 रजनी 2 गज़ल 3 जामुन का पेड़ 4 कथा-पटकथा
नवंबर -20 दिन		1 अक्कमहादेवी (कविता का सार) 2 भारत माता 3 कार्यालयी लेखन और प्रक्रिया 4 स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र
दिसम्बर -19 दिन	यू टी -2 (11 दिसम्बर -18 दिसम्बर)	1 सबसे खतरनाक 2 आओ, मिलकर बचाएँ 3 शब्दकोश ,संदर्भ ग्रंथों की उपयोगी विधि और परिचय
जनवरी -20 दिन		पुनरावृत्ति
फरवरी -24 दिन		पुनरावृत्ति
मार्च -14+1 दिन	वार्षिक परीक्षा (01मार्च -19 मार्च)	वार्षिक परीक्षा

मनु कुमारी (पी जी टी हिन्दी)



**ARMY PUBLIC SCHOOL DAMANA**

**SESSION (2023-2024)**

**SYLLABUS – XI HISTORY (027)**

**PRESCRIBED BOOKS – TEXTBOOK IN HISTORY FOR CLASS-XI**

**THEMES IN WORLD HISTORY**

<b>MONTH/DAYS</b>	<b>EXAMINATION</b>	<b>CONTENT</b>
<b>JUNE (14) JULY (18)</b>		<b>1. Writing and City Life</b> Focus: Iraq, 3rd millennium BCE  a) Growth of towns  b) Nature of early urban societies  c) Historians' Debate on uses of writing
<b>JULY (18)</b>	<b>UNIT TEST</b>  <b>17<sup>th</sup> JULY -24 JULY</b>  <b>PTM 2 AUG 2023</b>	<b>Writing and City Life</b> Focus: Iraq, 3rd millennium BCE.(contd)  Revision – UT-I
<b>AUGUST (24)</b>		<b>2. An Empire across Three Continents</b>  Focus: Roman Empire, 27 BCE to 600 CE  a) Political evolution  b) Economic Expansion  c) Religion-culture foundation  d) Late Antiquity  e) Historians' view on the Institution of Slavery.  <b>3. NOMADIC EMPIRES</b>  Focus: The Mongol, 13th to 14th century  a) The nature of nomadism

		<p><b>b) Formation of empires</b></p> <p><b>c) Conquests and relations with other states</b></p> <p><b>d) Historians' views on nomadic societies and state formation</b></p>
<b>SEPT(23)</b>	<p><b>HALF YEARLY</b></p> <p><b>EXAMINATION</b></p> <p><b>18 SEPT -29 SEPT</b></p> <p><b>PTM-13 OCT ,2023</b></p>	<p><b>4. The Three Orders.</b></p> <p><b>Focus: Western Europe 13th - 16th century</b></p> <p><b>a) Feudal society and economy</b></p> <p><b>b) Formation of state</b></p> <p><b>c) Church and society</b></p> <p><b>d) Historians' views on decline of feudalism</b></p>
<b>OCT(23)</b>		<p><b>5.Changing Cultural Traditions</b></p> <p><b>Focus: Europe 14th -17th century</b></p> <p><b>a) New ideas and new trends in literature and arts</b></p> <p><b>b) Relationship with earlier ideas</b></p> <p><b>c) The contribution of West Asia</b></p> <p><b>d) Historians' viewpoint on the validity of the notion 'European Renaissance.</b></p> <p><b>6. Displacing Indigenous People</b></p> <p><b>Focus: North America and Australia, 18th to 20th century</b></p> <p><b>a) European colonists in North America and Australia</b></p> <p><b>b) Formation of White Settler societies</b></p> <p><b>c) Displacement and repression of local people</b></p> <p><b>d) Historians' viewpoint on the impact of European settlement on indigenous population</b></p>

NOV( 20)		<b>7. Paths to Modernization</b>  <b>Focus: East Asia, late 19th to 20th century</b>  <b>a) Militarization and economic growth in Japan</b>  <b>b) China and the communist alternative</b>  <b>c) Historians’ Debate on the meaning of modernization</b>
DECEMBER(19)	<b>UT-II</b> <b>11 DEC-</b> <b>18DEC,2023)</b> <b>PTM-23 DEC2023</b>	<b>REVISION</b> <b>SAMPLE PAPERS</b>
JAN(20)		<b>REVISION</b> <b>SAMPLE PAPERS</b>
MAR	<b>ANNUAL</b> <b>EXAMINATION</b>  <b>01MAR-19MARCH</b> <b>2024</b>  <b>PTM- 28 MARCH</b> <b>2024</b>	

**ARMY PUBLIC SCHOOL DAMANA  
SPLIT UP SYLLABUS (2023-24)**

**CLASS: XI**

**SUBJECT: POLITICAL SCIENCE**

**BOOKS PRESCRIBED:**

- 1. Indian Constitution at Work, Class XI, Published by NCERT**
- 2. Political Theory, Class XI, Published by NCERT**

<b>MONTHS/ DAYS</b>	<b>EXAMINATION</b>	<b>CONTENT</b>
<b>JUNE 13 DAYS</b>		<p><b>Constitution: Why and How?</b></p> <p>a) Why do we need a Constitution?</p> <ul style="list-style-type: none"> <li>• Constitution allows coordination and assurance</li> <li>• Specification of decisionmaking powers</li> <li>• Limitations on the powers of government</li> <li>• Aspirations and goals of a society</li> <li>• Fundamental identity of a people</li> </ul> <p>b) The authority of a Constitution</p> <ul style="list-style-type: none"> <li>• Mode of promulgation</li> <li>• The substantive provisions of a constitution</li> <li>• Balanced institutional design</li> </ul> <p>c) How was the Indian Constitution made?</p> <ul style="list-style-type: none"> <li>• Composition of the Constituent Assembly Procedures</li> <li>• Inheritance of the nationalist movement Institutional arrangements</li> </ul> <p>d) Provisions adapted from Constitutions of different countries</p> <p><b>Rights in the Indian Constitution</b></p> <p>a) The importance of rights</p> <ul style="list-style-type: none"> <li>• Bill of Rights</li> </ul> <p>b) Fundamental rights in the Indian Constitution</p> <ul style="list-style-type: none"> <li>• Right to Equality</li> <li>• Right to Freedom</li> <li>• Right against Exploitation</li> <li>• Right to Freedom of Religion Cultural and Educational Rights</li> <li>• Right to Constitutional Remedies</li> <li>• Directive principles of state policy</li> </ul>
<b>JULY 18 DAYS</b>	<b>UNIT TEST –I 17<sup>TH</sup> JULY-24<sup>TH</sup> JULY 2023 PTM -02<sup>ND</sup> AUG 2023</b>	<p><b>Election and Representation</b></p> <p>a) Elections and democracy</p> <p>b) Election system in India</p> <ul style="list-style-type: none"> <li>• First Past the Post System</li> <li>• Proportional Representation</li> </ul>

		<p>c) Why did India adopt the FPTP system?  d) Reservation of constituencies  e) Free and fair elections <ul style="list-style-type: none"> <li>• Universal franchise and right to contest</li> <li>• Independent Election Commission</li> </ul> f) Electoral Reforms  <b>Executive</b>  a) What is an executive?  b) What are the different types of executives?  c) Parliamentary executive in India <ul style="list-style-type: none"> <li>• Power and position of President</li> <li>• Discretionary Powers of the President</li> </ul> d) Prime Minister and Council of ministers  e) Permanent Executive: Bureaucracy</p>
<p><b>AUGUST 24 DAYS</b></p>		<p><b>Legislature</b>  a) Why do we need a parliament?  b) Why do we need two houses of parliament? <ul style="list-style-type: none"> <li>• Rajya Sabha</li> <li>• Lok Sabha</li> </ul> c) What does the parliament do? <ul style="list-style-type: none"> <li>• Powers of Rajya Sabha</li> <li>• Special Powers of Rajya Sabha</li> </ul> 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?  <b>Judiciary</b>  a) Why do we need an independent judiciary? <ul style="list-style-type: none"> <li>• Independence of Judiciary</li> <li>• Appointment of Judges</li> <li>• Removal of Judges</li> </ul> b) Structure of the Judiciary  c) Jurisdiction of supreme Court <ul style="list-style-type: none"> <li>• Original Jurisdiction</li> <li>• Writ Jurisdiction</li> <li>• Appellate Jurisdiction</li> <li>• Advisory Jurisdiction</li> </ul> d) Judicial Activism  e) Judiciary and Rights  f) Judiciary and Parliament  <b>Federalism</b>  a) What is Federalism?  b) Federalism in the Indian Constitution <ul style="list-style-type: none"> <li>• Division of Powers</li> </ul> c) Federalism with a strong central government  d) Conflicts in India's federal system <ul style="list-style-type: none"> <li>• Centre-State Relations</li> <li>• Demands for Autonomy</li> <li>• Role of Governors and President's Rule</li> </ul> </p>

		<ul style="list-style-type: none"> <li>• Demands for New States Interstate Conflicts</li> </ul> <p>e) Special provisions</p> <ul style="list-style-type: none"> <li>• Jammu and Kashmir</li> </ul> <p><b>Local Governments</b></p> <p>a) Why local governments?</p> <p>b) Growth of Local Government in India</p> <ul style="list-style-type: none"> <li>• Local Governments in Independent India</li> </ul> <p>c) 73rd and 74th amendments</p> <p>d) 73rd Amendment</p> <ul style="list-style-type: none"> <li>• Three Tier Structure</li> <li>• Elections</li> <li>• Reservations</li> <li>• Transfer of Subjects</li> <li>• State Election Commissioners</li> <li>• State Finance Commission</li> </ul> <p>e) 74th Amendment</p> <p>f) Implementation of 73rd and 74th Amendments</p> <p><b>Constitution as a Living Document</b></p> <p>a) Are constitutions static?</p> <p>b) How to amend the constitution?</p> <p>c) Why have there been so many amendments?</p> <p>d) Contents of amendments made so far</p> <ul style="list-style-type: none"> <li>• Differing Interpretations</li> <li>• Amendments through Political Consensus</li> <li>• Controversial Amendments</li> </ul> <p>e) Basic structure and evolution of the constitution</p> <p>f) Constitution as a Living Document</p> <ul style="list-style-type: none"> <li>• Contribution of the Judiciary</li> <li>• Maturity of the Political Leadership</li> </ul>
<p><b>SEPTEMBER</b> <b>23 DAYS</b></p>	<p><b>HALF YEARLY</b> <b>18<sup>TH</sup> SEPT. 29<sup>TH</sup> SEPT.</b> <b>2023</b> <b>PTM 13<sup>TH</sup> OCT. 2023</b></p>	<p><b>The Philosophy of the Constitution</b></p> <p>a) What is meant by philosophy of the constitution?</p> <ul style="list-style-type: none"> <li>• Constitution as Means of Democratic Transformation</li> </ul> <p>b) Why do we need to go back to the Constituent Assembly?</p> <p>c) What is the political philosophy of our constitution?</p> <ul style="list-style-type: none"> <li>• Individual freedom</li> <li>• Social Justice</li> <li>• Respect for diversity and minority rights</li> <li>• Secularism</li> <li>• Universal franchise</li> <li>• Federalism</li> <li>• National identity</li> </ul> <p>d) Procedural Achievements</p> <p>e) Criticisms</p>

		<p>f) Limitations</p> <p><b>Political Theory: An Introduction</b></p> <p>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> <p><b>Freedom</b></p> <p>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>
<b>OCTOBER 23 DAYS</b>		<p><b>Equality</b></p> <p>a) Why does equality matter?  <ul style="list-style-type: none"> <li>• Equality of opportunities</li> <li>• Natural and Social Inequalities</li> </ul> b) Three dimensions of equality  c) Feminism, Socialism  d) How can we promote equality</p> <p><b>Social Justice</b></p> <p>a) What is Justice?  <ul style="list-style-type: none"> <li>• Equal Treatment for Equals</li> <li>• Proportionate Justice</li> <li>• Recognition of Special Needs</li> </ul> b) Just distribution  c) John Rawls Theory of Justice  d) Pursuing Social Justice  e) Free Markets versus State Intervention</p>
<b>NOVEMBER 20 DAYS</b>		<p><b>Rights</b></p> <p>a) What are Rights?  b) Where do rights come from?  c) Legal rights and the state  d) Kinds of rights  e) Rights and responsibilities</p> <p><b>Citizenship</b></p> <p>a) Introduction  b) Full and equal membership  c) Equal Rights  d) Citizen and Nation  e) Universal Citizenship  f) Global Citizenship</p>
<b>DECEMBER 19 DAYS</b>	<b>UNIT TEST –II 11<sup>TH</sup> DEC. -18<sup>TH</sup> DEC.2023 PTM-23<sup>RD</sup> 2023</b>	<p><b>Nationalism</b></p> <p>a) Introducing Nationalism  b) Nations and Nationalism  <ul style="list-style-type: none"> <li>• Shared Beliefs</li> <li>• History</li> <li>• Shared National Identity</li> </ul> c) National self-determination  d) Nationalism and Pluralism</p> <p><b>Secularism</b></p>

		<p>a) What is Secularism?</p> <ul style="list-style-type: none"> <li>• Inter-religious Domination</li> <li>• Intra-religious Domination</li> </ul> <p>b) Secular State</p> <p>c) The western model of secularism</p> <p>d) The Indian model of secularism</p> <p>e) Criticisms of Indian secularism</p> <ul style="list-style-type: none"> <li>• Western Import</li> <li>• Minoritism</li> <li>• Interventionist</li> <li>• Vote Bank Politics</li> </ul>
<b>JAN 20 DAYS</b>		<b>REVISION</b>
<b>FEB 24 DAYS</b>		<b>REVISION</b>
<b>MARCH 15</b>	<b>ANNUAL EXAMINATION 01<sup>ST</sup> MAR.-19<sup>TH</sup> MAR. 2024 PTM- 28<sup>TH</sup> MAR. 2024</b>	<b>REVISION</b>
<b>TOTAL DAYS</b>	<b>199</b>	



**ARMY PUBLIC SCHOOL DAMANA  
SPLIT UP SYLLABUS( 2023-24)**

**CLASS: XI**

**Subject: ART(Painting)**

**BOOKS PRESCRIBED: History of Indian Arts**

**CO-ORDINATED SYLLABUS**

<b>MONTH</b>	<b>EXAMINATION</b>	<b>TOPICS</b>
<b>July</b>	<b>UT-1 17-24 July</b>	<ul style="list-style-type: none"><li>• <b>Fundamentals of visual arts</b></li></ul>
<b>Aug</b>		<ul style="list-style-type: none"><li>• <b>Prehistoric rock paintings of the Indus valley</b></li></ul>
<b>Sept</b>	<b>Half Yearly 18-19 Sept</b>	<ul style="list-style-type: none"><li>• <b>Fain art</b></li></ul>
<b>Oct</b>		<ul style="list-style-type: none"><li>• <b>Buddhist and Hindu art</b></li></ul>
<b>Nov</b>	<b>UT-2 11-18 Dec</b>	<ul style="list-style-type: none"><li>• <b>Study of Temples and Sculptures, Bronzes, and artistic aspects of Indo-Islamic architecture</b></li></ul>
<b>Dec</b>		<ul style="list-style-type: none"><li>• <b>Details of Islamic architecture</b></li></ul>
<b>Jan</b>		<ul style="list-style-type: none"><li>• <b>Revision</b></li><li>• <b>Doubt Clearing</b></li></ul>
<b>Feb</b>		<ul style="list-style-type: none"><li>• <b>Revision</b></li></ul>
<b>Mar</b>	<b>Annual Exam 1-19 Mar</b>	

# ARMY PUBLIC SCHOOL DAMANA

## SPLIT UP SYLLABUS (2023-24)

**CLASS: XI**

**SUBJECT: PHYSICAL EDUCATION**

**Prescribed Books: 1. TEXTBOOK ON PHYSICAL EDUCATION (PRIME)  
2. TEXTBOOK ON PHYSICAL EDUCATION (SP)**

MONTHS/ DAYS	EXAMINATION	CONTENT
<b>JUNE 13 DAYS</b>		<b>Changing Trends and Careers in Physical Education</b> 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
<b>JULY 18 DAYS</b>	<b>UNIT TEST –I 17<sup>TH</sup> JULY-24<sup>TH</sup> JULY 2023 PTM -02<sup>ND</sup> AUG 2023</b>	<b>Olympism Value Education</b> 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 5. Olympic Movement Structure - IOC, NOC, IFS, Other members
<b>AUGUST 24 DAYS</b>		<b>Yoga</b> 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 <b>Physical Education and Sports for Children with Special Needs</b> 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

		<p>with special needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special Educator)</p> <p><b>Physical Fitness, Wellness, and Lifestyle</b></p> <ol style="list-style-type: none"> <li>1. Meaning &amp; importance of Wellness, Health, and Physical Fitness.</li> <li>2. Components/Dimensions of Wellness, Health, and Physical Fitness</li> <li>3. Traditional Sports &amp; Regional Games for promoting wellness</li> <li>4. Leadership through Physical Activity and Sports</li> <li>5. Introduction to First Aid – PRICE</li> </ol>
<b>SEPTEMBER 23 DAYS</b>	<b>HALF YEARLY 18<sup>TH</sup> SEPT. 29<sup>TH</sup> SEPT. 2023 PTM 13<sup>TH</sup> OCT. 2023</b>	<p><b>Test, Measurement &amp; Evaluation</b></p> <ol style="list-style-type: none"> <li>1. Define Test, Measurements and Evaluation.</li> <li>2. Importance of Test, Measurements and Evaluation in Sports.</li> <li>3. Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site)</li> <li>4. Somato Types (Endomorphy, Mesomorphy &amp; Ectomorphy)</li> <li>5. Measurements of health-related fitness</li> </ol> <p><b>Fundamentals of Anatomy, Physiology in Sports</b></p> <ol style="list-style-type: none"> <li>1. Definition and importance of Anatomy and Physiology in Exercise and Sports.</li> <li>2. Functions of Skeletal System, Classification of Bones, and Types of Joints.</li> <li>3. Properties and Functions of Muscles.</li> <li>4. Structure and Functions of Circulatory System and Heart.</li> <li>5. Structure and Functions of Respiratory System.</li> </ol>
<b>OCTOBER 23 DAYS</b>		<p><b>Fundamentals Of Kinesiology And Biomechanics in Sports</b></p> <ol style="list-style-type: none"> <li>1. Definition and Importance of Kinesiology and Biomechanics in Sports.</li> <li>2. Principles of Biomechanics</li> <li>3. Kinetics and Kinematics in Sports</li> <li>4. Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination &amp; Pronation</li> <li>5. Axis and Planes – Concept and its application in body movements</li> </ol>
<b>NOVEMBER 20 DAYS</b>		<p><b>Psychology and Sports</b></p> <ol style="list-style-type: none"> <li>1. Definition &amp; Importance of Psychology in Physical Education &amp; Sports;</li> <li>2. Developmental Characteristics at Different</li> </ol>

		Stages of Development Adolescent Problems & their Management; 4. Team Cohesion and Sports; 5. Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness
<b>DECEMBER 19 DAYS</b>	<b>UNIT TEST –II 11<sup>TH</sup> DEC. -18<sup>TH</sup> DEC.2023 PTM-23<sup>RD</sup> 2023</b>	<b>Training &amp; Doping in Sports</b> 1. Concept and Principles of Sports Training 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
<b>JAN 20 DAYS</b>		<b>REVISION</b>
<b>FEB 24 DAYS</b>		<b>REVISION</b>
<b>MARCH 15</b>	<b>ANNUAL EXAMINATION 01<sup>ST</sup> MAR.-19<sup>TH</sup> MAR. 2024 PTM- 28<sup>TH</sup> MAR. 2024</b>	<b>REVISION</b>
<b>TOTAL DAYS</b>	<b>199</b>	





