

**SYLLABUS FOR MID SEMESTER 1 (CLASS XI)**

**SESSION- 2023-24**

Subject	Class XI (Mid-Semester-1)
English	Unseen passage Poster making Letter to the editor Functional grammar A Photograph The Portrait of a Lady The Summer of the Beautiful White Horse
Mathematics	1. Sets 2. Relations and functions 3. Trigonometry 4. Complex numbers
Applied Mathematics	<ul style="list-style-type: none"><li>• Binary Numbers</li><li>• Indices, Logarithm, antilogarithm and their application</li><li>• Averages</li><li>• Clocks and Calendars</li><li>• Mensuration and seating arrangements</li><li>• Time, Work and Distance</li><li>• Set Theory</li></ul>
Physics	<ul style="list-style-type: none"><li>• Units and Measurements</li><li>• Motion in a straight line</li><li>• Motion in a plane</li><li>• Laws of Motion</li></ul>
Chemistry	Basic concepts of Chemistry Hydrocarbons (Nomenclature, Preparation, properties of Hydrocarbons) Redox reactions
Biology	1. Cell-The Unit of Life 2. Cell Cycle and Cell division 3. Biomolecules

	<p>4. The Living World</p> <p>5. Biological Classification</p>
Computer Science	<p>Unit I: Computer Systems and Organisation</p> <ul style="list-style-type: none"> <li>● Basic computer organisation:</li> <li>● Boolean logic</li> <li>● Number System</li> <li>● Encoding Schemes:</li> </ul> <p>Unit II: Computational Thinking and Programming - I</p> <ul style="list-style-type: none"> <li>● Introduction to Problem-solving</li> <li>● Familiarization with the basics of Python programming</li> <li>● Operators</li> <li>● Expressions, statement, type conversion, and input/output</li> </ul>
Economics	<p>1) Introduction to Microeconomics</p> <p>2) Consumer's Equilibrium</p> <p>3) Central Tendency</p>
Accountancy	<p>1) Introduction to Accounting</p> <p>2) Basic Accounting terms</p> <p>3) Accounting Equation</p> <p>4) Rule of Debit Credit, Journal</p> <p>5) Ledger and Trial Balance</p> <p>6) Source Documents</p> <p>7) Cash Book</p>
Business Studies	<p>1. Nature and Purpose of Business</p> <p>2. Forms of Business Organizations</p> <p>3. Public, Private and Global Enterprises</p>
Entrepreneurship Development	<p>Unit 1. Entrepreneurship: Concept and Functions</p> <p>Unit 2. An Entrepreneur</p>
Psychology	<p>Ch 1. What is Psychology?</p> <p>Ch 2. Methods of Enquiry in Psychology.</p>
Legal Studies	<p>Unit 1: Introduction to Political Institutions</p> <p>1. Concept of State</p> <p>2. Forms and Organs of Government</p>

	<p>3. Separation of Powers</p> <p>Unit 4: Judiciary (till page no. 117)</p>
Sociology	<p>1. Sociology and Society</p> <p>2. Terms, Concept, and their use in Sociology</p>
Political Science	<p>Indian Constitution:</p> <p>1. Constitution: Why and How?</p> <p>2. Rights in the Indian Constitution</p> <p>Political Theory:</p> <p>1. Political Theory: An Introduction</p> <p>2. Freedom</p>
Financial Markets Management	<p>1. Markets and Financial Instruments</p> <p>2. Primary and Secondary Market</p> <p>3. Employability Skills - Communication Skills</p>
Web Application	<p><i>Employability Skill</i></p> <p>Unit 1 : Communication Skills</p> <p>Unit 2 : Self-Management Skills</p> <p><i>Vocational Skill</i></p> <p>Unit 2: Website Development using HTML and CSS</p>
Food, Nutrition & Dietetics	<p>1. Unit 1-Food and Nutrition basic concept</p> <p>Unit 2-Nutrition during infancy, preschool and childhood</p>
Mass Media Studies	<p>1. Mass Media and Barriers to Communication</p> <p>2. Understanding Cinema-1</p> <p>3. Understanding Cinema- 2</p> <p>4. Understanding Television</p> <p>5. Movies: Rang de Basanti &amp; Peepli Live</p>
Fashion Studies	<p>Chapter 1: Overview of fashion</p>
Commercial Art	<p>Theory:- Prehistoric rock painting, Art of Indus Valley</p> <p>Practical:- Illustration in black and white</p>