

**HERITAGE XPERIENTIAL LEARNING SCHOOL**  
**XI- REVISED HALF YEARLY SYLLABUS**  
**SESSION- 2020-21**

S.NO	SUBJECT	HALF YEARLY SYLLABUS
<b>1</b>	<b>Psychology</b>	Unit 1 What is Psychology? Unit 2 Methods of enquiry in Psychology Unit 3 The bases of human behaviour Unit 4 Human development
<b>2</b>	<b>History</b>	Theme 2 Writing and City Life Theme 3 An Empire Across Three Continents Theme 4 The Central Islamic Land
<b>3</b>	<b>Physical Education</b>	Unit 1: Changing trends and career in physical education Unit 2: Olympic value education Unit 3: Physical fitness, wellness and lifestyle Unit 4: Physical education and sports for children with special needs Unit 5: Yoga Unit 6: Physical activity and leadership training
<b>4</b>	<b>Business Studies</b>	Unit 1: Evolution and Fundamentals of Business Unit 2: Forms of Business organizations Unit 3: Public, Private and Multinational Company Unit 4: Business Services Unit 5: Emerging Modes of Business Unit 6: Social Responsibility of Business and Business Ethics
<b>5</b>	<b>Entrepreneurship</b>	Unit 1: Entrepreneurship: Concept and Functions Unit 2: An Entrepreneur Unit 3: Entrepreneurial Journey Unit 4: Entrepreneurship as Innovation and Problem Solving Unit 5: Concept of Market

6	<b>Physics</b>	Chapter–2: Units and Measurements Chapter–3: Motion in a Straight Line Chapter–4: Motion in a Plane Chapter–5: Laws of Motion Chapter–6: Work, Energy and Power
7	<b>Mathematics</b>	1.Sets 2.Trigonometric functions 3. Complex numbers and Quadratic equations 4. Permutation and combination 5. Binomial Theorem 6. Sequences and series 7. Probability
8	<b>Biology</b>	1. Cell structure and function 2. Biomolecules 3. Cell cycle and Cell division 4. Biological classification 5. Plant kingdom 6. Animal kingdom 7. Morphology in flowering plants 8. Structural organisation in animals
9	<b>Painting</b>	Unit 1 (b) Pre-Historic rock paintings and art of Indus.  Unit 2 Buddhist, Jain and Hindu Art.
10	<b>Chemistry</b>	Unit 1- Some Basic Concepts of Chemistry Unit 2- Structure of Atom Unit 3-Classification of Elements and Periodicity in Properties Unit 4- Chemical Bonding and Molecular Structure Unit 5- States of Matter Unit 6- Redox Reactions

<p><b>11</b></p>	<p><b>Accountancy</b></p>	<ol style="list-style-type: none"> <li>1. Introduction to Accounting</li> <li>2. Basic Accounting Terms</li> <li>3. Theory Base of Accounting</li> <li>4. Bases of Accounting</li> <li>5. Accounting Equation</li> <li>6. Accounting Procedures - Rules of debit &amp; Credit</li> <li>7. Origin of Transactions - Source Documents and preparation of vouchers</li> <li>8. Journal</li> <li>9. Ledger</li> <li>10. Special Purpose Books I - Cash Book</li> <li>11. Special Purpose Books II - Other Books</li> <li>12. Bank Reconciliation Statement</li> <li>13. Trial Balance</li> <li>14. Financial Statements of Sole proprietorship</li> <li>15. Adjustments in Preparation of Financial Statements</li> </ol>
<p><b>12</b></p>	<p><b>Political Science</b></p>	<p>Book-I</p> <p>Ch-1 Constitution</p> <p>Ch 2 Elections and Representation</p> <p>Ch-3 Executive</p> <p>Ch-4 Legislature</p> <p>Book-II</p> <p>Ch-1 Introduction to Political theory</p> <p>Ch-2 Freedom</p> <p>Ch-3 Equality</p> <p>Ch-4 Social Justice.</p> <p>Ch-5 Right</p>
<p><b>13</b></p>	<p><b>Applied Mathematics</b></p>	<p>Unit I: Numbers, Quantification and Numerical Applications</p> <p>Unit II: Algebra</p> <p>Unit III: Mathematical and Logical Reasoning</p> <p>Unit V: Probability</p> <p>Unit VIII: Coordinate Geometry</p>
<p><b>14</b></p>	<p><b>Sociology</b></p>	<p>Ch 1 Sociology and society</p> <p>Ch 2 Terms, Concepts and their use in Sociology</p> <p>Ch 3 Understanding Social Institutions</p> <p>Ch 4 Culture and Socialisation</p>

<p><b>15</b></p>	<p><b>Economics</b></p>	<p>Part A: Statistics for Economics</p> <p>Unit 1: Introduction</p> <p>Ch 1 - Economics: An introduction</p> <p>Ch 2 - Meaning, Scope and Importance of Statistics</p> <p>Unit 2: Collection, Organisation and Presentation of Data</p> <p>Ch 3 - Collection of data</p> <p>Ch 4 - Organisation of data</p> <p>Ch 5 - Tabular Presentation</p> <p>Ch 6 - Diagrammatic Presentation</p> <p>Ch 7 - Graphic Presentation</p> <p>Unit 3: Statistical Tools and Interpretation</p> <p>Ch 8 - Measures of Central Tendency - Arithmetic Mean</p> <p>Ch 9 - Measures of Central Tendency - Median and Mode</p> <p>Part B: Introductory Microeconomics</p> <p>Unit 4 - Introduction</p> <p>Unit 5 - Consumer's Equilibrium and Demand</p> <ul style="list-style-type: none"> <li>- Consumer's equilibrium (utility analysis and indifference curve analysis)</li> <li>- Theory of Demand</li> <li>- Price Elasticity of Demand</li> </ul>
<p><b>16</b></p>	<p><b>Home Science</b></p>	<p>Unit II: Understanding oneself: Adolescence</p> <p>Ch.- Understanding the Self</p> <p>Ch.- Food, Nutrition, Health and Fitness</p> <p>Ch. - Management of Resources</p> <p>Ch.- Fabric Around us</p> <p>Unit III: Understanding family, community and society</p> <p>Ch. - Concerns and needs in diverse contexts:</p> <ol style="list-style-type: none"> <li>a. Nutrition, Health and Hygiene</li> <li>b. Resources Availability and Management</li> </ol> <p>Unit V: Adulthood</p> <p>Ch.- Health and Wellness</p>

<p><b>17</b></p>	<p><b>English</b></p>	<p>READING</p> <p>Comprehension Practice Note making</p> <p>WRITING</p> <p>Notice Poster Letter of Complaint Letter of Placing an Order Letter of Enquiry and Reply Letter to the Editor Speech Debate</p> <p>LITERATURE</p> <p>Lamb to the Slaughter Leaf by Niggle One Thousand Dollars A Photograph Tagore's poems Train to Pakistan</p>
<p><b>18</b></p>	<p><b>Computer Science</b></p>	<p>Unit I: Computer Systems and Organisation</p> <p>Topics:</p> <ol style="list-style-type: none"> <li>1. Basic computer organization</li> <li>2. Types of software</li> <li>3. Memory Units</li> <li>4. Boolean logic</li> <li>5. Number System</li> <li>6. Encoding Schemes</li> <li>7. Concept of Compiler and Interpreter</li> <li>8. Operating System (OS)</li> </ol> <p>Unit II: Computational Thinking and Programming - 1</p> <p>Topics:</p> <ol style="list-style-type: none"> <li>1. Problem solving: understanding algorithms and flow charts</li> <li>2. Features of Python, Python Character Set, Token &amp; Identifiers, Keywords, Literals, Delimiters, Operators.</li> </ol>

		<p>3. Comments</p> <p>4. Writing expressions</p> <p>5. Variables</p> <p>6. Data types and Operators</p> <p>7. Execution of a program, errors- syntax error, run-time error and logical error.</p> <p>8 Conditional statements: if, if-else, if-elif-else</p> <p>9 Looping statements - using for and while</p> <p>10. Strings: Traversal, operations – concatenation, repetition, membership; functions/methods–len(), capitalize(), title(), upper(), lower(), count(), find(), index(), isalnum(), islower(), isupper(), isspace(), isalpha(), isdigit(), split(), partition(), strip(), lstrip(),rstrip(), replace(); String slicing.</p> <p>11. Lists: Definition, Creation of a list, Traversal of a list. Operations on a list - concatenation, repetition, membership; functions/methods– len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(),sort(), min(), max(), sum(); Lists Slicing; Nested lists;</p>
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