



**Bhavan Vidyalaya, Panchkula**  
**Pre-Final Syllabus (2024-25)**  
**Class – XI**

Sr. No.	Subject	Syllabus
1	English	<p><b>Reading:</b> Comprehension, <b>Note Making</b> <b>Writing:</b> Classified Advertisements, Poster, Speech and Debate writing <b>Grammar:</b> Integrated grammar <b>Literature:</b> <b>Book- Hornbill (Prose)</b> 1. The Portrait of a Lady 2. We are not afraid to die ..if We Can be Together 3. Discovering Tut <b>Poetry:</b> 1. A Photograph 2. The Laburnum Top 3. The Voice of the Rain 4. Childhood 5. Father to Son <b>Book-Snapshots</b> 1. The Summer of the Beautiful White Horse 2. The Address 3. Mother's Day 4. Birth</p>
2	Applied Maths	<p>Unit 1 Numbers, Quantification and Numerical Applications Unit 2 Algebra *Sets *Relations Sequence and Series Permutations and Combination Unit 3 Mathematical Reasoning Unit 4 Calculus Unit 5 Probability Unit 6 Descriptive Statistics Unit 7 Basis of Financial Mathematics</p>
3	Legal Studies	<p>Unit 1 Introduction to Political Institutions Unit 2 Basic Features of the Constitution of India Unit 3 Jurisprudence, Nature and Sources of Law Unit 4 Judiciary: Constitution, Civil and Criminal Courts and Processes Unit 5 Family Justice System</p>
4	Kathak	<p><b>Theory :</b> 1. A brief history of Indian dance. 2. A brief history of Kathak dance. Distinctive aspects of Kathak (using of ghungrus, chakkars, upaj, costume, etc. 3. Ability to write notation of teental and jhaptal (thah, dugun, chaugun).</p>

		<p>4. Definition and short explanation: Nritta, Nritya, Natya, Tandava, Lasya, Anga, Upanga, Pratyang.</p> <p><b>Practical:</b></p> <ol style="list-style-type: none"> <li>1. Practice of basic standing position and various patterns of Tatkar.</li> <li>2. Practice of exercise of different parts of the human body particularly anga, pratyanga, upanga.</li> <li>3. Practice of exercise of ten different movement {hastak} chakkars in teentaal in thah,dugun.</li> <li>4. Prahant of teentaal with hast kriya in thah, dugun, chaugun.</li> <li>5. The student should know the following compositions: <ul style="list-style-type: none"> <li>Thaat</li> <li>Aamad</li> <li>Vandana</li> <li>Tukra</li> <li>Natwari ka tukra</li> <li>Paran</li> <li>Tihaayi</li> </ul> </li> </ol> <p>Parhant of tukda /toda with hasta kriya</p>
5	<b>History</b>	<p>Theme 1 Writing and City Life</p> <p>Theme 2 An Empire Across Three Continents</p> <p>Theme 3 Nomadic Empires</p> <p>Theme 4 The Three Orders</p> <p>Theme 5 Changing Cultural Traditions</p> <p>Theme 6 Displacing Indigenous People</p> <p><b>Related map work as given in class</b></p>
6	<b>Biology</b>	<ol style="list-style-type: none"> <li>1) Photosynthesis in Higher Plants</li> <li>2) Respiration in Plants</li> <li>3) Plant Growth and Development</li> <li>4) Breathing and Exchange of Gases</li> </ol>
7	<b>Maths(Core)</b>	<p>Chapter – 1. Sets</p> <p>Chapter 2 Relations and Functions</p> <p>Chapter 3 Trigonometric Functions</p> <p>Chapter 4 Complex Numbers and Quadratic Equations</p> <p>Chapter 5 Linear Inequalities</p> <p>Chapter 6 Permutations and Combinations</p> <p>Chapter 7 Binomial Theorem</p> <p>Chapter 8 Sequence and Series</p> <p>Chapter 9 Straight Lines</p> <p>Chapter 10 Conic Sections</p> <p>Chapter 11 Introduction to Three Dimensional Geometry</p> <p>Chapter 13 Statistics</p> <p>Chapter 14 Probability</p>

8	<b>Economics</b>	<p><b>Statistics for Economics</b></p> <ol style="list-style-type: none"> <li>1. Concept of Economics and Significance of Statistics in Economics</li> <li>2. Collection of Data</li> <li>3. Census and Sample Methods of Collection of Data</li> <li>4. Organisation of Data</li> <li>5. Presentation of Data-Textual and Tabular Presentation</li> <li>6. Diagrammatic Presentation of Data-Bar Diagrams and Pie Diagrams</li> <li>7. Frequency Diagrams-Histogram, Polygon and Ogive</li> <li>8. Arithmetic Line-Graphs or Time Series Graphs</li> <li>9. Measures of Central Tendency-Arithmetic Mean</li> <li>10. Measures of Central Tendency-Median and Mode</li> <li>11. Correlation</li> </ol> <p><b>Introductory Microeconomics</b></p> <ol style="list-style-type: none"> <li>1. Economics and Economy</li> <li>2. Central Problems of an Economy</li> <li>3. Consumer's Equilibrium-Utility Analysis</li> <li>5. Theory of Demand</li> <li>6. Price Elasticity of Demand</li> <li>7. Production Function and Returns to a Factor</li> <li>8. Concepts of Cost</li> <li>9. Concept of Revenue</li> <li>10. Producer's Equilibrium</li> <li>11. Theory of Supply</li> <li>12. Forms of Market: Perfect Competition</li> </ol>
9	<b>Business Studies</b>	<ol style="list-style-type: none"> <li>1 Nature and Purpose of Business</li> <li>2 Forms of Business Organisations</li> <li>3 Public, Private and Global Enterprises</li> <li>4 Business Services</li> <li>5 Emerging Modes of Business</li> <li>6 Social Responsibility of Business and Business Ethics</li> <li>7 Sources of Business Finance</li> <li>8 Small Business</li> <li>9 Internal Trade</li> <li>10 International Business</li> </ol>
10	<b>Chemistry</b>	<p>Chapter - 2 Structure of Atom</p> <p>Chapter - 3 Periodic Classification</p> <p>Chapter - 4 Chemical Bonding</p> <p>Chapter - 5 Thermodynamics</p> <p>Chapter - 7 Redox Reactions</p> <p>Chapter - 8 GOC</p>
11	<b>Physics</b>	<p>Chapter – 1. Unit and Measurement</p> <p>Chapter - 2. Motion in Straight Line</p> <p>Chapter – 3. Vector Analysis and Motion in Plane</p> <p>Chapter - 4. Laws of Motion</p> <p>Chapter - 5. Work, Energy and Power</p> <p>Chapter - 6: System of Particles and Rotational Motion</p> <p>Chapter - 7: Gravitation</p> <p>Chapter - 8: Mechanical Properties of Solids</p> <p>Chapter - 9: Mechanical Properties of Fluids</p> <p>Chapter - 10: Thermal Properties of Matter</p>

12	<b>Political Science</b>	<b>Book 1 <u>INDIAN CONSTITUTION AT WORK</u></b> Chapter - 1 Constitution: Why and How? Chapter - 2 Rights in the Indian Constitution Chapter - 3 Election and Representation Chapter - 4 Executive Chapter - 5 Legislature Chapter - 6 Judiciary Chapter - 7 Federalism Chapter - 8 Local Governments Chapter - 9 Constitution as a Living Document Chapter - 10 The Philosophy of the Constitution <b>Book 2 POLITICAL THEORY</b> Chapter - 1 Political Theory: An Introduction Chapter - 2 Freedom Chapter - 3 Equality Chapter - 4 Social Justice
13	<b>Accountancy</b>	Chapter 2 Basic Terms Chapter 6 Rules of Debit and Credit Chapter 8 Journal Chapter 10 Cash Book Chapter 12 GST Chapter 13 Bank Reconciliation Statement Chapter 15 Depreciation Chapter 17 Rectification of Errors Chapter 18 Financial Statements Chapter 19 Adjustments in Financial Statements
14	<b>Food Production</b>	Chapter - 1 Hospitality industry as a career Chapter - 2 Food Production Department Chapter - 3 Uniform Safety and Hygiene in kitchen Chapter - 4 Kitchen Equipment Chapter - 5 Kitchen Commodities Chapter - 6 Storage of Commodities Chapter - 7 Techniques for Pre preparation Chapter - 8 Methods of Cooking Chapter - 9 Salads Chapter - 10 Soups <b><u>Employability Skills</u></b> Chapter - 4 Entrepreneur Skills Chapter - 5 Green Skills
15	<b>Sociology</b>	<b>Book 1</b> Chapter - 1 Sociology & Society Chapter - 2 Terms, Concepts & their use in Sociology Chapter - 3 Understanding Social Institution Chapter - 4 Culture & Socialisation <b>Book 2</b> Chapter - 2 Social Changes & Social Order Chapter - 4 Western Sociologist Chapter - 5 Indian Sociologist (Till G.S. Ghurye)

16	<b>Physical Education</b>	Unit – I – Changing Trends & Career in Physical Education Unit – II – Olympic Value Education Unit – III- Yoga Unit – IV- Physical Education & Sports for CWSN Unit – V – Physical Fitness, Wellness Unit – VI – Test, Measurement & Evaluation Unit – VII- Fundamentals of Anatomy and Physiology in Sports Unit – VIII – Fundamentals of Kinesiology and Biomechanics in Sports Unit – IX – Psychology and Sports Unit – X – Training & Doping in Sports
17	<b>Computer Science (083)</b>	Chapter 1 - Computer System Overview Chapter 2 – Data Representation Chapter 4 – Introduction to Problem Solving Chapter 5 – Getting started with Python Chapter 6 – Python Fundamentals Chapter 7 – Data Handling Chapter 9 – Flow of Control Chapter 10 - String Manipulation Chapter 11 – List Manipulation Chapter 12 - Tuples Chapter 13 – Dictionary Chapter 14 – Cyber safety
18	<b>Music</b>	1. Definitions of Naad, Shruti, Swar ,Saptak ,Thaat ,Jati and Laya 2. Brief study of Margi and desi Sangeet 3. Brief study history of Khayal and Tarana 4. Brief study of Natya Shashtra 5. Biography of Pt. Pandit Vishnu Digambar Paluskar, Pt. Vishnu Narayan Bhatkhande and Tansen ji 6. Description of Teentaal, Ek Taal and Chautaal with notation, Dugun and Chautaal 7. Structure of Tanpura 8. Write the Drut Khyaal with the notation of Bihag and Bheempalasi. 9. Raag Parichay of Bihag , Bheempalasi and Bhairavi
19	<b>Psychology</b>	1. Introduction 2. Research Methods 3. Development 4. Sensation & Perception 5. Learning- Classical Conditioning, Operant Conditioning & Observational Learning 6. Memory- Stage Model of Memory & Types of Long Term Memory

20	Painting	<p>A. Pre-historic rock painting and art of Indus Valley          Period and Location          Study and Appreciation of following pre-historic paintings.          Wizard's Dance Bhimbethaka</p> <p>B. Introduction          Period and location          Extension: in about 1500</p> <p>1). Harappa and Mohenjo-daro          2). Ropar, Lothal, Rangpur, Kalibanga, Banawali.          a). Dancing girl          b). Male Torso          c). Mother Goddess          d). Bull          e). Decoration on Earthen Wares.</p> <p>II. Buddhist Jain and Hindu Art.          a). Lion Capital of Sarnath          b). Chauri Bearer from didarganj yakshi          c). Seated Buddha from katra Mound          d). Jain Tirathankara</p> <p>III. Temple Sculpture Bronzes and Architect aspects of Indo Islamic Architecture.          Introduction to Temple Sculpture          Study and appreciation of following Temple Sculpture</p> <p>1). Descent of Ganga (pallava period)          2). Lakshmi Narayana (Kandariya Mahadev Temple)          3). Cymbal Player, Sun Temple(Ganga Dynasty, Konark, Orissa)Stone Circa 13<sup>th</sup> century A.D.          4). Trimurti (Elephanta Maharastra) stone circa 9<sup>th</sup> Century A.D.          5). Mother and child (Vimal Shah Temple, Solanki Dynasty, Dilwara Mount Abu. Rajasthan.)</p> <p>➤ Introduction of Ajanta Location, period, No. of caves.          Chaitanya Vihar, paintings and sculpture, sub matter and technique etc.</p>
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