

**OPG World School**  
**Syllabus- Annual Examinations (2020-21)**  
**Class-XI**



S.No.	Subject	Syllabus
1	English	Unseen Comprehension Note Making Notice Writing Poster Making Formal Letter (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies), letter to the school or college authorities, regarding admissions, school issues, requirements / suitability of courses, etc.) Speech/Debate Grammar- Determiners, Tenses, Re-ordering and Transformation of sentences Hornbill- All chapters (Deleted-Father To Son, The Adventure) Snapshots- All chapters (Deleted- The Ghat of the Only World, The Tale of Melon City)
2	Mathematics	<ol style="list-style-type: none"> <li>1. Sets</li> <li>2. Relations and functions</li> <li>3. Trigonometry</li> <li>4. Complex Numbers and Quadratic equations</li> <li>5. Linear Inequalities</li> <li>6. Permutations and Combinations</li> <li>7. Sequence and series</li> <li>8. Straight line</li> <li>9. Conic section</li> <li>10. Three-dimensional geometry</li> <li>11. Limits and Derivatives</li> <li>12. Statistics</li> <li>13. Probability</li> </ol>
3	Applied Mathematics	<ol style="list-style-type: none"> <li>1. Numbers, Quantification and Numerical Application</li> <li>2. Sets</li> <li>3. Relation and Functions</li> <li>4. Sequence and Series</li> <li>5. Permutations and Combinations</li> <li>6. Mathematical and Logical reasoning</li> <li>7. Limits and Derivatives</li> <li>8. Probability</li> <li>9. Descriptive Statistics</li> <li>10. Financial Mathematics</li> <li>11. Straight lines</li> <li>12. Circles</li> </ol>

4	Painting	<p>Unit-I. Art an Introduction, Prehistoric Rock Paintings and Art of Indus Valley</p> <p>Unit-II. Buddhist, Jain and Hindu Art</p> <p>Unit-III. Temple Sculptures, Bronzes and Artistic aspects of Indo-Islamic Architecture</p>
5	Home Science	<p>Unit I Introduction to Home Science</p> <p>Unit II: Understanding oneself: Adolescence</p> <p>Ch.- Understanding the Self.</p> <p>A. ‘Who am I’?</p> <p>B. Development and Characteristics of the Self (Development Characteristics and needs of adolescents)</p> <p>C. Influences on Identity</p> <p>Ch.- Food, Nutrition, Health and Fitness</p> <p>Ch. - Management of Resources</p> <p>Ch.- Fabric Around us</p> <p>Ch-Media and Communication Technology</p> <p>Unit III: Understating family, community and society</p> <p>Ch. - Concerns and needs in diverse contexts:</p> <p>a. Nutrition, Health and Hygiene</p> <p>b. Resources Availability and Management</p> <p>Unit IV: Childhood</p> <p>Ch.-Survival, Growth and Development</p> <p>Ch.- Nutrition, Health and Wellbeing</p> <p>Ch.- Our Apparel</p> <p>UnitV: Adulthood</p> <p>Ch.- Health and Wellness</p> <p>Ch.- Financial Management and planning</p> <p>Ch.- Care and Maintenance of fabrics</p>
6	Physical Education	<p>Unit-1: Changing Trends &amp; career in Physical Education</p> <p>Unit-2: Olympic Value Education</p> <p>Unit-3: Physical Fitness, Wellness &amp; lifestyle</p> <p>Unit-4: Physical Education &amp; Sports for CWSN</p> <p>Unit-5: Yoga</p> <p>Unit-6: Physical Activity &amp; Leadership Training</p> <p>Unit-7: Test, Measurement &amp; Evaluation</p> <p>Unit 8: Fundamentals of Anatomy, Physiology &amp; Kinesiology in Sports</p> <p>Unit-9: Psychology &amp; Sports</p> <p>Unit-10: Training &amp; Doping in sports</p>

7	Computer Science	<p>Chapter 1: Computer System  Chapter 2: Encoding Schemes and Number Systems  Chapter 3: Conditional and Looping Constructs  Chapter 4: Introduction to Problem Solving  Chapter 5: Getting Started with Python  Chapter 6: Flow of Control  Chapter 7: Functions  Chapter 8: Strings  Chapter 9: Lists  Chapter 10: Tuples and Dictionaries  Chapter 11: Societal Impact</p>
8	Informatics Practices	<p>Chapter 1: Computer System  Chapter 2: Getting started with Python  Chapter 3: Python Programming Fundamentals  Chapter 4: Conditional and looping Constructs  Chapter 6: List manipulation  Chapter 7: Dictionary  Chapter 10: Relational Databases and Structured Query Language (SQL)  Chapter 11: Introduction to emerging trends</p>
9	Physics	<p>Chapter–1: Physical World  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  Chapter–7: System of Particles and Rotational Motion  Chapter–8: Gravitation  Chapter–9: Mechanical Properties of Solids  Chapter–10: Mechanical Properties of Fluids  Chapter–11: Thermal Properties of Matter  Chapter–12: Thermodynamics  Chapter–13: Kinetic Theory  Chapter–14: Oscillations  Chapter–15: Waves</p>
10	Chemistry	<ol style="list-style-type: none"> <li>1. Some basic concepts of chemistry</li> <li>2. Structure of atom</li> <li>3. Classification of elements and periodicity in properties</li> <li>4. Chemical Bonding</li> <li>5. States of matter</li> <li>6. Thermodynamics</li> <li>7. Equilibrium</li> <li>8. Redox reactions</li> <li>9. Hydrogen</li> <li>10. The s-Block Elements</li> <li>11. The p-Block Elements</li> <li>12. Organic chemistry</li> <li>13. Hydrocarbons</li> </ol>

<b>11</b>	Biology	Complete book
<b>12</b>	Business Studies	<ol style="list-style-type: none"> <li>1. Nature and purpose of Business</li> <li>2. Forms of Business Organisations &amp; Formation of JSC</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</li> <li>7. Sources of Business Finance</li> <li>8. Small Business</li> <li>9. Internal Trade</li> <li>10. International Trade</li> </ol>
<b>13</b>	Accountancy	<ol style="list-style-type: none"> <li>1. Introduction to Accounting</li> <li>2. Accounting: concept, objectives, advantages and limitations, Types of accounting information; User of accounting information and their needs. Qualitative Characteristics of Accounting Information.</li> <li>3. Basic Accounting Terms</li> <li>4. Accounting Principles, GAAP, Accounting Standards: Applicability of Ind-AS; System of Accounting, Basis of Accounting; Goods &amp; Services Tax (GST): Objective and Characteristics.</li> <li>5. <u>Recording of Business Transactions</u> <ul style="list-style-type: none"> <li>● Source documents and Vouchers, Preparation of Vouchers Accounting Equation, Rules of Debit and Credit</li> <li>● Journal, Special purpose books, Ledger</li> </ul> </li> <li>6. Bank Reconciliation Statement</li> <li>7. Depreciation, Provision and Reserves</li> <li>8. Accounting for Bills of Exchange</li> <li>9. Trial Balance and Rectification of Errors.</li> <li>10. Financial Statements of Sole Proprietorship (with &amp; without adjustments)</li> <li>11. Incomplete Records</li> <li>12. Computers in Accounting</li> </ol>
<b>14</b>	Economics	<p>Complete book: Statistics for Economics</p> <p>Complete Book: Introductory Micro Economics</p>
<b>15</b>	Psychology	<p>Ch-1 What is Psychology</p> <p>Ch-2 Methods of Enquiry in Psychology</p> <p>Ch-3 The Bases of Human Behavior</p> <p>Ch-4 Human Development</p> <p>Ch-5 Sensory, Attentional and Perceptual Processes</p> <p>Ch-6 Learning</p> <p>Ch-7 Human Memory</p>
<b>16</b>	History	<ol style="list-style-type: none"> <li>1. Writing and City life</li> <li>2. An Empire Across three continents</li> <li>3. Central Islamic Lands</li> <li>4. Three Orders</li> <li>5. Changing Cultural Traditions</li> <li>6. The Industrial Revolution</li> </ol>

		<ol style="list-style-type: none"><li>7. Displacing Indigenous Peoples</li><li>8. Paths to Modernization</li></ol>
<b>17</b>	Political Science	<ol style="list-style-type: none"><li>1. Constitution</li><li>2. Election and Representation</li><li>3. Legislature</li><li>4. Executive</li><li>5. Judiciary</li><li>6. Local Governments</li><li>7. Political Theory: An Introduction</li><li>8. Liberty</li><li>9. Equality</li><li>10. Justice</li><li>11. Rights</li><li>12. Development</li></ol>