

# SARALA BIRLA PUBLIC SCHOOL, RANCHI

PORTION FOR HALF YEARLY EXAMINATION (ONLINE) 2020-21

| Class : XI       |   |
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| Subject          | Chapter/Unit/Content  |
| <b>English</b>   | <ul style="list-style-type: none"> <li>• <b>Hornbill-</b><br/>The Portrait of a Lady<br/>A Photograph<br/>We're Not Afraid to Die<br/>Discovering Tut<br/>Landscape of the soul<br/>The ailing planet<br/>The voice of the rain<br/>The Laburnum Top</li> <li>• <b>Snapshots-</b><br/>The summer of a beautiful white horse<br/>The Address<br/>Ranga's Marriage<br/>Albert Einstein at School</li> <li>• <b>Reading, Grammar and Writing-</b><br/>Determiners<br/>Letter to the Principal<br/>Note making and summary writing<br/>Notice writing<br/>Speech Writing</li> </ul>   |
| <b>Chemistry</b> | <ul style="list-style-type: none"> <li>• Ch-1 Some Basic Concepts of Chemistry.</li> <li>• Ch-2 Structure of Atom.</li> <li>• Ch-3 Classification of Elements and Periodicity in Properties.</li> <li>• Ch-4 Chemical Bonding and Molecular Structure.</li> <li>• Ch-5 States of Matter.</li> <li>• Ch-6 Thermodynamics.</li> <li>• Ch-7 Equilibrium</li> </ul>   |
| <b>Physics</b>   | <ul style="list-style-type: none"> <li>• Unit I:Physical World and Measurements</li> <li>• Chapter - 2: Units and Measurements</li> <li>• Unit II: Kinematics</li> <li>• Chapter - 3: Motion in a Straight Line</li> <li>• Chapter - 4: Motion in a Plane</li> <li>• Unit III :Laws of Motion</li> <li>• Chapter - 5: Laws of Motion</li> <li>• Unit IV :Work, Energy and Power</li> <li>• Chapter - 6: Work, Energy and Power</li> <li>• Unit V: Motion of System of Particles and rigid body</li> <li>• Chapter - 7: System of Particles and Rotational Motion( till torque)</li> <li>• Unit VI :Gravitation</li> <li>• Chapter - 8: Gravitation(till Escape velocity)</li> </ul> |
| <b>Biology</b>   | <ul style="list-style-type: none"> <li>• The living world- (Page No.3-10)</li> <li>• Biological Classification</li> <li>• Plant Kingdom -(Page No.29-39)</li> <li>• Animal Kingdom</li> <li>• Morphology Of Flowering plants-(Page No.71-75)</li> <li>• (Inflorescence-Placentation)and Family : Solanaceae</li> <li>• Structural Organisation In Animals-(Page No.100 -106)<br/>(Animal Tissues)</li> <li>• Cell:The Unit of Life</li> <li>• Biomolecules</li> <li>• Cell Cycle and Cell Division</li> </ul>   |

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| <p style="text-align: center;"><b>Accountancy</b></p>      | <ul style="list-style-type: none"> <li>• Introduction to Accounting</li> <li>• Basic Accounting Terms</li> <li>• Accounting Principles</li> <li>• Accounting Equation</li> <li>• Journal( including GST)</li> <li>• Ledger</li> <li>• Trial Balance</li> <li>• Subsidiary Books.</li> <li>• Bank Reconciliation statement</li> <li>• Depreciation</li> <li>• Provision and Reserve</li> </ul>   |
| <p style="text-align: center;"><b>Business Studies</b></p> | <ul style="list-style-type: none"> <li>• Nature and Purpose of Business</li> <li>• Forms of Business Organization</li> <li>• Public Private and Global Enterprises</li> <li>• Business Services</li> <li>• Emerging modes of Business</li> <li>• Social responsibility of Business and Business Ethics</li> </ul>   |
| <p style="text-align: center;"><b>Economics</b></p>        | <ul style="list-style-type: none"> <li>• <b>Statistics for Economics:</b><br/>Economics: An Introduction<br/>Meaning, scope and importance of statistics<br/>Collection of data<br/>Organization of data<br/>Tabular presentation<br/>Diagrammatic presentation<br/>Graphic Presentation<br/>Arithmetic mean</li> <li>• <b>Micro Economics</b><br/>Introduction<br/>Consumer's Equilibrium<br/>Demand<br/>Elasticity of demand<br/>Production Function</li> </ul> |

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| <p><b>Entrepreneurship</b></p>       | <ul style="list-style-type: none"> <li>• Entrepreneurship Concept and Functions</li> <li>• An Entrepreneur.</li> <li>• Entrepreneurial Journey</li> <li>• Entrepreneurship as Innovation and Problem Solving</li> </ul>   |
| <p><b>Standard Mathematics</b></p>   | <ul style="list-style-type: none"> <li>• Set Theory</li> <li>• Relations &amp; Functions</li> <li>• Trigonometry</li> <li>• Complex Numbers</li> <li>• Linear Inequalities</li> <li>• Permutations &amp; Combinations</li> <li>• Straight Lines</li> <li>• Conic Sections</li> <li>• Introduction to 3-D Geometry</li> </ul>  |
| <p><b>Applied Mathematics</b></p>    | <ul style="list-style-type: none"> <li>• Set Theory</li> <li>• Relations &amp; Functions</li> <li>• Sequence and Series ( A.P. &amp; G.P. )</li> <li>• Logarithms &amp; Anti-logarithms</li> <li>• Mathematical Reasoning</li> <li>• Straight Lines &amp; Circles</li> <li>• Permutations and Combinations</li> <li>• Limit , Continuity &amp; Differentiability</li> <li>• Binary Number System.</li> </ul>  |
| <p><b>Computer Science</b></p>       | <ul style="list-style-type: none"> <li>• Computer System and Organization</li> <li>• Data representation and boolean logic</li> <li>• Programming in Python (Till lists) <ul style="list-style-type: none"> <li>- Introduction to python</li> <li>- Features of Python</li> <li>- Advantage of Python</li> <li>- Limitations of Python</li> <li>- Conditional and Looping statements</li> <li>- Lists in Python.</li> </ul> </li> </ul>                         |
| <p><b>Informatics Practices</b></p>  | <ul style="list-style-type: none"> <li>• Introduction of Computer System, Introduction to Python Programming, Function in Python, List, Dictionaries</li> </ul>   |
| <p><b>Physical Education</b></p>     | <ul style="list-style-type: none"> <li>• Changing trends &amp; Career in physical education</li> <li>• Olympic value education</li> <li>• Physical fitness, wellness and lifestyle</li> <li>• Physical education and sports for CWSN(Children with special needs-divyang)</li> <li>• Yoga</li> <li>• Physical activity and leadership training</li> </ul>   |
| <p><b>Hindustani Music Vocal</b></p> | <ul style="list-style-type: none"> <li>• Rag detail of Rag Bihag</li> <li>• Rag detail of Rag Jaunpuri</li> <li>• Notations</li> <li>• Tal- Dadra , Kaharwa, Teental, Chartal</li> <li>• Definitions-Dhwani,Naad, Shruti,Swar,Saptak,That,</li> <li>• Jati,Rag,lav,Taal, Lakshan geet, Swarmalika, Nibadh-Anibadh gaan</li> <li>• Margi &amp;deshi Sangeet</li> <li>• Brief history of Dhrupad,Khayal,Tarana,</li> <li>• Life Sketch of miyan tansen</li> </ul> |

**Fine Arts**

- Pre historic rock paintings
- Bhimbetka-an introduction
- Study of rock paintings
- Art of Indus valley-an introduction
- Study of sculptures and terracottas
- Study of seal
- Decoration on earthen wares
- Art of Mauryan,shunga, kushana and Gupta period
- Study of sculptures
- Introduction to Ajanta
- study of paintings
- Introduction to temple sculpture
- Study of temple sculpture
- Chapter 1-13.6)
- Only the chapter 11.2(Mara vijay Ajanta cave number 26)not in syllabus