

**BIOLOGY**

<b>Biology-1</b>	Nutrition, Respiration, Transportation and Circulation, Excretion, Control and Coordination, Reproduction in Plants and Animals, Heredity and Evolution, Our Environment, Conservation of Natural Resources.
<b>Biology-2</b>	Biodiversity, Cell and its Organisation, Tissue System, Improvement in Food Resources, Disease and its Treatment, Natural Resources and its Pollution.

**PHYSICS**

<b>Physics-1</b>	Electricity and Chemical Effects of Current, Magnetic Effects of Current, Light, Sources of Energy, Heat, Miscellaneous.
<b>Physics-2</b>	Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy, Power, Wave and Sound.

**CHEMISTRY**

<b>Chemistry-1</b>	Chemical Reactions & Equations, Acid, Bases and Salts, Metals and Non-Metals, Carbon and Its Compounds, Periodic Classification of Elements.
<b>Chemistry-2</b>	Matter in Our Surroundings, Is Matter Around us Pure?, Atoms and Molecules, Structure of Atom.

**MATHEMATICS**

<b>Mathematics-1</b>	Linear Equations in Two Variables, Number System, Surds and Indices, Polynomials, Quadratic Equations, Arithmetic Progression, Co-ordinate Geometry, Trigonometry, Triangle, Circles and Tangent to the Circle, Mensuration of Plane Figures, Mensuration of Solid Figures, Statistics, Probability, Lines and Angles, Quadrilaterals, Area of Parallelogram and Polygon, Equation of Straight Line, Theory of Sets.
<b>Mathematics-2</b>	Every Day Mathematics: Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Instalments, Ratio and Proportion, Time Speed & Distance, Unitary Method, Time and Work, Pipes And Cisterns, Problems on Ages.

**MENTAL ABILITY**

<b>Mental Ability - 1</b>	Verbal: Series, Logical Sequence of Words, Coding & Decoding, Analogy, Classification, Logical Venn Diagrams, Mathematical Operations, Direction Sense Test, Alphabet Test, Puzzle Test, Number, Ranking & Ordering Test, Alpha-Numeric Sequence Puzzle, Inserting The Missing Characters, Calendar, Arithmetical Reasoning, Blood Relations, Statements-Conclusions, Clock, Data Sufficiency, Sequential Output Tracing.
<b>Mental Ability - 2</b>	Non Verbal: Series, Analogy, Classification, Analytical Reasoning, Mirror Images, Water Images, Spotting Out The Embedded Figures, Completion of Incomplete Pattern, Figure Matrix, Paper Folding & Paper Cutting, Rule Detection, Construction of Shapes, Dice, Cube, Dot Situation, Grouping of Identical Figures.

**SOCIAL SCIENCE**

<b>SST - 1</b>	<p><b>History:</b> Mahatma Gandhi and the national movement, Role of Odisha in Indian National Movement, Formation of Independent Odisha state: Various stages of nationalism in Odisha, India as a newly Independent Nation: Till 20th Century, Merger of Odisha with Garjat States, Odisha: Determining definitive Development.</p> <p><b>Civics:</b> Formation of new states in India after Independence, Constitutional status of Jammu and Kashmir, Constitutional Design, Electoral Politics, Foreign Policy of India</p> <p><b>Geography:</b> Resources and Development, Forest and Wildlife Resources, Minerals and Energy Resources, Agriculture, Manufacturing Industries</p> <p><b>Economics:</b> Economic Development-I, Indian Economy; Growth Rate, Consumer Rights, Poverty as a Challenge, Unemployment.</p>
<b>SST - 2</b>	<p><b>History:</b> First World War, Russian Revolution, The League of Nations, Development of Fascism and Nazism, Second World War, Nationalist Movement in Asia, Nationalist Movement in Africa, Cold War, Formation of Military Blocks: Race for armaments, Non Aligned Movement, Disintegration of Soviet Union, , India's Unity in Diversity and Traditions of India, Architecture, Literature, Science and Technology, Great Heritage of Odisha.</p> <p><b>Civics:</b> Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Human Rights, Right to Information(RTI) Act of India, Indian Nationalism and National Integration, Democratic Values, United Nations</p> <p><b>Geography:</b> India-Size and Location, Physical divisions of India, Climate, Natural Vegetation and Wildlife, Population</p> <p><b>Economics:</b> Economic Development II, Money and Credit, Sustainable Development.</p>