

## Syllabus for Talent Quest Exam :

■ Total MCQ's: 60 ■ Total Marks: 240 ■ Duration: 1 Hr ■ Negative Marking: -1

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|--------------------|--|--|---|--|
| Syllabus 7th Class | <b>Physics (15)</b> <ul style="list-style-type: none"><li>• Motion and Measurement of distances</li><li>• Light</li><li>• Shadows and Reflection</li><li>• Electricity and Circuits</li><li>• Earth &amp; Universe</li><li>• Heat and Temperature</li><li>• Force &amp; Energy</li></ul> | <b>Chemistry (15)</b> <ul style="list-style-type: none"><li>• Solid, Liquid &amp; Gas</li><li>• Sorting Materials into groups</li><li>• Separation of Substances</li><li>• Natural Resources</li><li>• Bases and Salts</li></ul> | <b>Biology (15)</b> <ul style="list-style-type: none"><li>• Body Movements</li><li>• Food and Nutrition</li><li>• The Living Organisms - Characteristics and Habitats</li><li>• Nutrition in Plants and Animals</li><li>• Human Body and Health</li></ul> | <b>Mathematics (15)</b> <ul style="list-style-type: none"><li>• Integers</li><li>• Fraction and Decimals</li><li>• Ratio and Proportion</li><li>• Simple Equations</li><li>• Algebraic Expressions</li><li>• Rational Numbers,</li><li>• Lines and Angles</li><li>• Triangles &amp; its Properties</li></ul> |
|                    | <b>Physics (15)</b> <ul style="list-style-type: none"><li>• Heat and Temperature</li><li>• Motion and Time</li><li>• Electric current and its effects</li><li>• Force and Pressure</li></ul>   | <b>Chemistry (15)</b> <ul style="list-style-type: none"><li>• Physical and Chemical changes</li><li>• Acids, Bases and Salts</li><li>• Waste Water Story</li><li>• Coal and Petroleum</li><li>• Combustion and Flame</li></ul>   | <b>Biology (15)</b> <ul style="list-style-type: none"><li>• Nutrition in Plants</li><li>• Nutrition in Animals</li><li>• Respiration in Organisms</li><li>• Transportation in Plants and Animals</li><li>• Forests - Our Lifeline</li></ul>               | <b>Mathematics (15)</b> <ul style="list-style-type: none"><li>• Fractions and Decimals</li><li>• Integers</li><li>• Perimeter and Area</li><li>• Visualising solid shapes</li><li>• Lines and Angles</li><li>• Cubes and Cube Roots</li><li>• Rational Numbers</li><li>• Squares and Square Roots</li></ul>  |
|                    | <b>Physics (15)</b> <ul style="list-style-type: none"><li>• Force and Pressure</li><li>• Sound</li><li>• Friction</li><li>• Some Natural Phenomenon</li><li>• Motion</li></ul>   | <b>Chemistry (15)</b> <ul style="list-style-type: none"><li>• Combustion and Flame</li><li>• Fossil Fuels (Coal, Petroleum and Natural Gas)</li><li>• Matter in our surroundings</li></ul>                                       | <b>Biology (15)</b> <ul style="list-style-type: none"><li>• Conservation of Plants and Animals</li><li>• Crop Production and Management</li><li>• Microorganisms</li><li>• Food Production</li><li>• The Fundamental Unit of Life</li></ul>               | <b>Mathematics (15)</b> <ul style="list-style-type: none"><li>• Algebraic Expression</li><li>• Cubes and Cube Roots</li><li>• Squares and Square Roots</li><li>• Co-ordinate Geometry</li><li>• Number System</li><li>• Lines, Angles and Triangles</li></ul>  |
|                    | <b>Physics (15)</b> <ul style="list-style-type: none"><li>• Motion</li><li>• Force and NLM</li><li>• Gravitation</li><li>• Sound</li><li>• Work Power and Energy</li><li>• Reflection of light</li><li>• Refraction of light</li></ul>   | <b>Chemistry (15)</b> <ul style="list-style-type: none"><li>• Atomic Structure</li><li>• Atoms and Molecules</li><li>• Acid Bases</li><li>• Salts</li><li>• Chemical Reaction</li><li>• Metals and Non-Metals</li></ul>          | <b>Biology (15)</b> <ul style="list-style-type: none"><li>• Natural Resources</li><li>• Nutrition</li><li>• Respiration</li><li>• ExcretionTransportation in Animals</li><li>• Transportation in Plants</li></ul>   | <b>Mathematics (15)</b> <ul style="list-style-type: none"><li>• Polynomials (std-IX)</li><li>• Circles (std-IX)</li><li>• Surface area and Volumes</li><li>• Lines and Angles</li><li>• Quadrilaterals</li><li>• Number System</li><li>• Co-ordinate Geometry</li></ul>                                      |