

12/C

63/C

### Question Paper Lay Out

**Duratio : 02 Hrs.                      Total marks        : 150**

No. of question    :150

Each Question carry 1 mark

Sr. No.	Subject	No. of Questions
1	General Awareness (Current Affairs)S	10
2	Social Science	40
	History-10	
	Pol. Science-10	
	Geography -10	
	Economic-10	
3	General Science	40
	Physics-10	
	Chemistry-10	
	Biology -10	
	Basic Computers-10	
4	Mathematics(Numerical ability) upto class 8	10
5	General Mental ability, aptitude and attitude (as regards to Education/Teaching)	30
6	English & Hindi	10+10=20

\*150 Questions for all candidates

\* Candidates having Urdu and Punjabi as subject in 10<sup>th</sup> and 12<sup>th</sup> will be qualified for admission in Urdu and Punjabi.

\*Level of Test -Class X




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## Detailed Syllabus

Sr. No.	Subject		No. of Questions
1	General Knowledge (Current Affairs)		10
2	Social Science	History-10	40
		Pol. Science-10	

- Knowledge of Important events that have happened in India in recent years
- Prominent personalities of both Indian and International level
- Cultural activities.
- sports activities.
- Current important world events.
- Prize/Awards

1. Forces shaping the modern world;
2. Exploration and Discovery;
3. A broad survey of Indian History, with emphasis on Culture and Civilisation
4. Freedom Movement in India
5. French Revolution and Russian Revolution,
6. Elementary knowledge of Five Year Plans of India
7. United Nations,
8. Panchsheel,
9. Panchayati Raj, Democracy, Socialism and Communism
10. Indian Freedom Movement
11. Bhoodan, Sarvodaya,
12. National Integration and Welfare State
13. Basic Teachings of Mahatma Gandhi

1. Parliament
2. Indian Constitution
3. Rights and Duties
4. States & Union Territories
5. Federalism, Power Sharing
6. Democracy and Diversity and its challenges

			<ul style="list-style-type: none"> <li>7. Gender ,Religion and Caste</li> <li>8. Political Party , Election &amp; Election Commission</li> </ul>	
		Geography -10	<ul style="list-style-type: none"> <li>1. The Earth, its shape and size</li> <li>2. Latitudes and Longitudes</li> <li>3. Soil &amp; its types</li> <li>4. Types of Climate</li> <li>5. International Date Line</li> <li>6. Major Natural Regions of the World</li> <li>7. Movements of Earth and their effects</li> <li>8. Regional Geography of India</li> <li>9. Climate, Natural vegetation. Mineral and Power resources;</li> <li>10. Agricultural and Industrial activities</li> <li>11. Origin of Earth. Rocks and their classification</li> <li>12. Important Sea ports and main sea, land, and air routes of India</li> <li>13. Main items of Imports and Exports of India</li> </ul>	
		Economic-10	<ul style="list-style-type: none"> <li>1. GDP/ GNP &amp; HDI</li> <li>2. Sectors of Indian Economy</li> <li>3. Economic Planning</li> <li>4. Indian Budget</li> <li>5. Economic Vocabulary</li> <li>6. Liberalisation</li> <li>7. Human Development and Human Capital</li> <li>8. National Income</li> <li>9. Growth and Changing structure of Employment</li> <li>10. Sustainable Development</li> </ul>	
3	General Science	Physics -10	<ul style="list-style-type: none"> <li>1. Physical Properties and States of Matter</li> <li>2. Modes of transference of Heat</li> <li>3. Mass, Weight, Volume, Sound waves and their properties</li> <li>4. Density and Specific Gravity</li> <li>5. Reflection and refraction</li> <li>6. Spherical mirrors and Lenses</li> <li>7. Human Eye</li> <li>8. Motion of objects</li> </ul>	40

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			<ul style="list-style-type: none"> <li>9. Natural and Artificial Magnets</li> <li>10. Velocity and Acceleration</li> <li>11. Properties of a Magnet</li> <li>12. Newton's Laws of Motion</li> <li>13. Force and Momentum</li> <li>14. Gravitation</li> <li>15. Simple Electrical Circuits</li> <li>16. Elementary ideas of work</li> <li>17. Heating, Lighting, and Magnetic effects of Current</li> </ul>
		<p>Chemistry- 10</p>	<ul style="list-style-type: none"> <li>1. Acids, bases and salts.</li> <li>2. Carbon— different forms</li> <li>3. Physical and Chemical Changes</li> <li>4. Fertilizers—Natural and Artificial</li> <li>5. Elements</li> <li>6. Material used in the preparation of substances like Soap, Glass, Ink, Paper, Cement, Paints, Safety Matches, and Gunpowder</li> <li>7. Mixtures and Compounds</li> <li>8. Elementary ideas about the structure of Atom</li> </ul>
		<p>Biology - 10</p>	<ul style="list-style-type: none"> <li>1. Common Epidemics, their causes, and prevention</li> <li>2. Difference between the living and non-living</li> <li>3. Food—Source of Energy for man</li> <li>4. Basis of Life—Cells, Protoplasm's, and Tissues</li> <li>5. Constituents of food</li> <li>6. Growth and Reproduction in Plants and Animals</li> <li>7. Balanced Diet</li> <li>8. Elementary knowledge of the Human Body and its important organs</li> </ul>
		<p>Basic Computer Knowledge 10</p>	<ul style="list-style-type: none"> <li>1. Introduction to Computer</li> <li>2. Computer Architecture and Hardware</li> <li>3. Computer Memory</li> <li>4. Data Representation</li> </ul>

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		<ul style="list-style-type: none"> <li>5. Computer Software</li> <li>6. Operating system</li> <li>7. Search Engines</li> <li>8. Internet</li> </ul>	
4	<p>Mathematics</p> <p>(Numerical Ability)</p> <p>- 10</p>	<p>Simplifications</p> <p>Number System</p> <p>LCM &amp; HCF</p> <p>Percentage</p> <p>Profit &amp; Loss</p> <p>Ratio &amp; Proportion</p> <p>Discount</p> <p>Work &amp; Time</p> <p>Elementary Algebra</p> <p>Data Handling</p>	10
5	General Mental ability	<p>General Mental ability, Verbal and Non Verbal Reasoning</p> <p>logical and analytical reasoning</p> <p>Aptitude and Attitude regarding education</p> <ol style="list-style-type: none"> <li>1. Indian Education agencies</li> <li>2. Responsibility towards societies</li> <li>3. Educational Learning tools</li> <li>4. Experiments related to school by students</li> </ol> <p>Organization of education as CBSE, NCERT and their structure and function etc.</p>	30
6	<p>English &amp; Hindi</p> <p>(10) + (10)</p>	<p>English &amp; Hindi</p> <ol style="list-style-type: none"> <li>1. Spotting Errors Questions</li> <li>2. Sentence Arrangement Questions</li> <li>3. Vocabulary</li> </ol>	<p>10+10=</p> <p>20</p>

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		4. Ordering of Sentence 5. Comprehension Questions 6. Ordering of words in a sentence	
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\*150 Questions for all candidates

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