

#### 14.7 **Indicative Syllabus for Computer Based Examination:**

- 14.7.1 **Numerical and Mathematical Ability:** It will include questions on problems relating to Integers and Whole Numbers, LCM and HCF, Decimals and Fractions, Relationship between numbers, Fundamental Arithmetic Operations and BODMAS, Percentage, Ratio and Proportions, Work and Time, Direct and inverse Proportions, Averages, Simple Interest, Profit and Loss, Discount, Area and Perimeter of Basic Geometric Figures, Distance and Time, Lines and Angles, Interpretation of simple Graphs and Data, Square and Square roots etc.
- 14.7.2 **Reasoning Ability and Problem Solving:** The questions in this part intend to measure the candidates' general learning ability. The questions will be broadly based on Alpha-Numeric Series, Coding and Decoding, Analogy, Following Directions, Similarities and Differences, Jumbling, Problem Solving and Analysis, Non-verbal Reasoning based on diagrams, age Calculations, Calendar and Clock, etc.
- 14.7.3 **General Awareness:** The broad coverage of the test will be on Social Studies (History, Geography, Art and Culture, Civics, Economics), General Science and Environmental studies up to 10<sup>th</sup> Standard.
- 14.7.4 **English Language and Comprehension:** Candidates' understanding of the basics of English Language, its vocabulary, grammar, sentence structure, synonyms, antonyms and its correct usage, etc. and to test comprehension, a simple paragraph may be given and question based

on the paragraph to be asked.