

SEC- II (Quantitative and Logical Thinking)

QUANTITATIVE APTITUDE & DATA INTERPRETATION

Unit-1: Whole numbers, Integers, Rational and irrational numbers, Fractions, Square roots and Cube roots, Surds and Indices, Problems on Numbers, Divisibility, Steps of Long Division Method for Finding Square Roots

Unit -2: Basic concepts, Different formulae of Percentage, Profit and Loss, Discount, Simple interest, Ratio and Proportion, Mixture.

Unit-3: Time and Work, Pipes and Cisterns, Basic concepts of Time, Distance and Speed; relationship among them.

Unit-4: Concept of Angles, Different Polygons like triangles, rectangle, square, right angled triangle, Pythagorean Theorem, Perimeter and Area of Triangles, Rectangles, Circles.

Unit -5: Raw and Grouped Data, Bar Graphs, Pie charts. Mean, Median and Mode, Events and Sample Space, Probability

LOGICAL REASONING

Unit-1: Analogy basing on kinds of relationships, Simple Analogy, Pattern and Series of Numbers, Letters, Figures. Coding-Decoding of Numbers, Letters, Symbols (Figures), Blood relations.

UNIT-2 Logical Statements-Two premise argument, More than two premise argument using connectives.

UNIT -3: Venn Diagrams, Mirror Images, Problems on Cubes and Dices.