

PATTERN & MARKING SCHEME

Section	Subjective	HOT'S (High Order Thinking Section)	Logical Reasoning
No. of Questions	30	5	15
Marks per Ques.	1	1	1

SYLLABUS

Section - 1 : Number system, Algebraic expression, Linear equation in two variables, Comparing Quantities, Probability & Permutation Combination, Lines and angles, Triangle, Circle, Quadrilateral and its Area, Mensuration, Trigonometry, Data Handling, Logical reasoning, Model Question Paper

Section - 2 : High Order Thinking Question - Syllabus as per Section 1

Section - 3 : Series Completion and Alpha Numeric, Analogy, Classification, Coding and Decoding, Blood Relations, Puzzle Test, Direction Sense Test, Logical Venn Diagrams, Alphabet Test, Ranking, Mathematical Operations

Mathematics

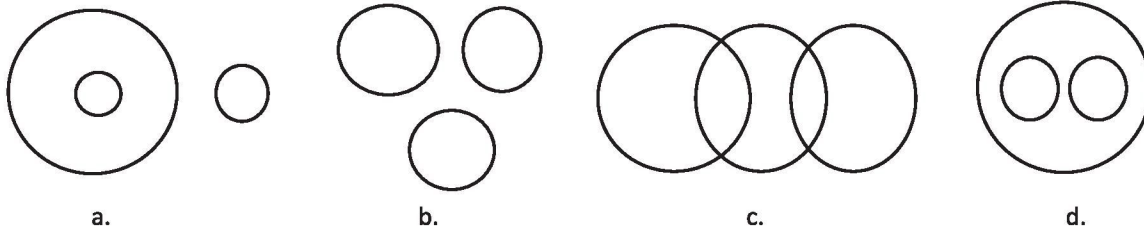
01. Identify the polynomial whose sum of zeros is (-8) and their product 12.
- $x^2 - 4x - 16$
 - $x^2 - 2x + 12$
 - $x^2 - 6x + 12$
 - $x^2 + 8x + 12$
02. Determine the probability of getting an odd number when a die is rolled?
- 1/6
 - 1/3
 - 4/10
 - 1/2

High Order Thinking Section

03. The figure given shows a rectangle with semicircle inside it.a.
- 91 cm²
 - 105 cm²
 - 120 cm²
 - 84 cm²

Logical Reasoning

04. Select a figure from the options that illustrates the relationship amongst "Crocin, Book, Medicine".



05. Number series is given in following question. Find out the wrong term from four alternatives given below the series.
8, 15, 22, 29, 35, 43
- 29
 - 35
 - 15
 - 22