

**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, Fractions & Decimals, Linear equation in one variable, Algebraic expression, Comparing quantities, Exponents and power, Ratio & Proportion, Practical Geometry & Lines and Angles, The triangle & its properties, Mensuration, Data handling, Logical reasoning, Model Question Paper

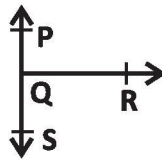
**Section - 2 :** High Order Thinking Question - Syllabus as per Section 1

**Section - 3 :** Series Completion and Alphabet Number, Analogy, Coding and Decoding, Blood Relations, Direction Sense, Logical Venn Diagrams, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking

**Mathematics**

01. Find the area of triangle whose base is 22 m and height is 350 cm.
- 40
  - 38.5
  - 42.2
  - 44.5

02. What is the angle of PQS?
- $180^\circ$
  - $90^\circ$
  - $45^\circ$
  - $120^\circ$



**High Order Thinking Section**

03. Which of the following statement is false?
- $x = 7/2$  is the solution of  $2x - 2 = 5$
  - $p = 3$  is the solution of  $p + 2 = 5$
  - $x = 4$  is the solution of  $6x + 2 = 16$
  - $y = 7$  satisfies the equation  $3y - 9 = 12$

**Logical Reasoning**

04. Select the correct mirror image of fig.(X), if the mirror is place vertically to the right.

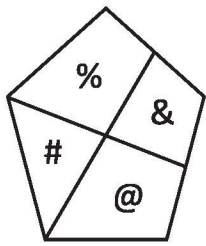
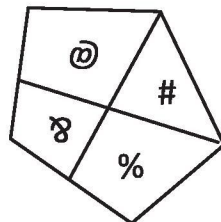
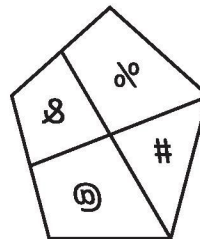


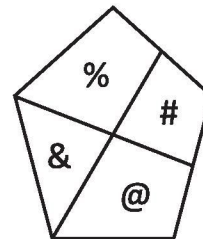
Fig (X)



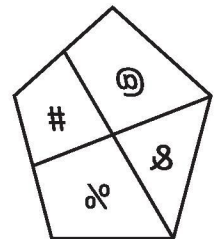
a.



b.



c.



d.

05. How many such symbol's are there each of which is immediately followed by number?
- D # F 4 % U 3 \* S E 8 9 % A C 7 @ Z Q
- One
  - Two
  - Three
  - More than three