

EMRS Class 6th & 7th Entrance Exam Pattern

The exam pattern is given below in the table-

Activity/ Events	Date	Date
	Class 6th	Class 7th
Application form 2020	19 August 2020	19 August 2020
Last date of application	04 September 2020	4 September 2020
Date of examination	11 September 2020	11 September 2020
Declaration of result	Last week of September	Last week of September

Subject	Questions	Marks	Duration (min)	Weightage
Mental Ability	40	50	60	50%
Arithmetic	20	25	30	25%
Language	20	25	30	25%
Total	80	100	120	

- It will be an objective type paper.

- It will be OMR-based paper.

- The total duration of exam will be of 2 hours.

- EMRS Classes conducted in following languages English, Gujarati, Hindi and Marathi.

- It is compulsory for candidates to pass in each section/subject to qualify the exam.

- There is no negative marking.

Syllabus Class VI & VII :

There will be three sections in class 6th & 7th question paper viz. Mental Ability, Arithmetic, and Language

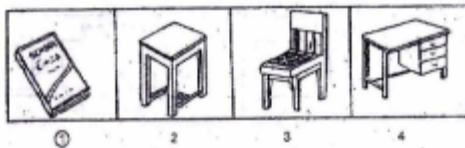
Mental Ability

1. Odd one out

PART-I (ODD-MAN OUT)

Directions:

In questions 1 to 5, four figures 1, 2, 3 and 4 have been given in each question. Of these four figures, three figures are similar in some way and one figure is different. Select the figure which is different.

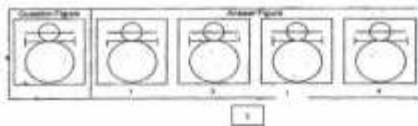


2. Pattern completion

PART- II (FIGURE MATCHING)

Directions:

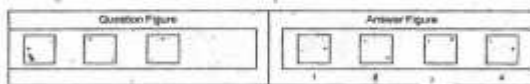
In questions 6 to 10, a problem figure is given on the left side and four answer figures marked 1, 2, 3, 4 are given on the right side. Select the answer figure which is exactly the same as the problem figure.



3. Figure matching

Directions:

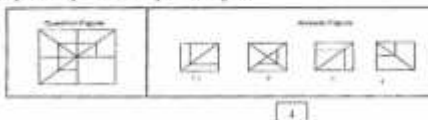
In questions 16 to 20, there are three problem figures on the left hand side and the space for the fourth figure is left blank. The problem figures are in a series. Find out one figure from among the answer figures given on the right hand side, which occupies the blank space for the fourth figure on the left hand side and completes the series.



4. Figure series completion

Directions:

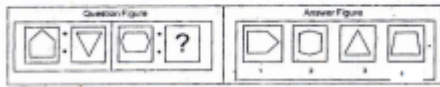
In questions 11 to 15 there is a problem figure on the left hand side, a part of which is missing. Observe the answer figures 1, 2, 3, 4 on the right hand side and find out the answer figure which without changing the direction, fits in the missing part of the problem figure in order to complete the pattern in the problem figure.



5. Analogy

Directions:

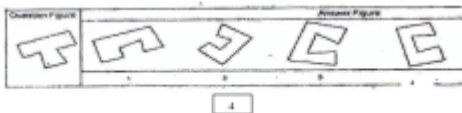
In questions 21 to 25, there are two sets of two problem figures each. The second set has a mark of interrogation (?). There exists a relationship between the first two problem figures. Similar relationship should exist between the third and fourth problem figure. Select one of the answer figure which replaces the mark of interrogation.



6. Geometrical Figure Completion

Directions:

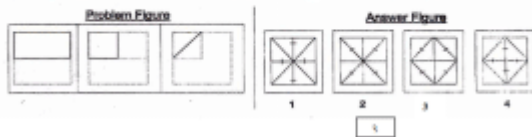
In questions 26 to 30 one part of a square is on the left hand side as question figure and the other one is among the four answer figures 1, 2, 3, 4 given on the right hand side. Find out the figure that completes the square.



7. Mirror images

Directions:

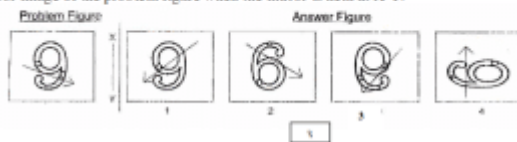
In question 36 to 40 a piece of paper is folded and punched as shown in problem figures on the left side and four answer figures marked 1, 2, 3, 4 are given on right side. Select the answer figure which indicates how the paper will appear when opened (unfolded).



8. Punched Hold Pattern-Folding/unfolding

Directions:

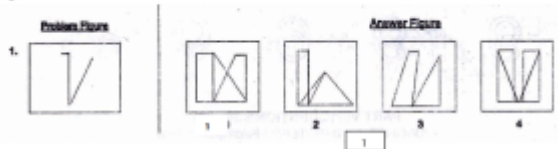
In questions 31 to 35 there is a problem figure on the left side and four answer figures marked 1, 2, 3, 4 are given on the right side. Select the answer figure which is exactly the mirror image of the problem figure when the mirror is held at X Y.



9. Space visualization

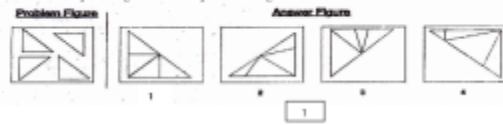
Directions:

In questions 46 to 50 a problem figure is given on the left side and four answer figures, marked 1, 2, 3, 4 are given on the right side. Select the answer figure in which the problem figure is hidden/embedded.



10.Embedded figures

Directions:
In questions 41 to 45 a problem figure is given on the left side and four answer figures, marked 1, 2, 3, 4 are given on the right side. Select the answer figure which can be formed from the cut-off pieces given in the problem figure.



Arithmetic

Number and numeric system, Four fundamental operations on whole number, Fractional number and four fundamental operations on them, Factors and multiple including their properties, LCM and HCF of numbers, Decimals and fundamental operations on them, Profit and loss, Simple interest, Distance, time and speed, Conversion of fractions to decimals and vice – versa, Applications of number in measure length, mass, capacity, time, money etc., Approximation of expressions, Simplification of Numerical Expressions, Percentage and its applications, Perimeter, area and volume

Language

Comprehension passage, grammar