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\ 06-Aug-2024   **Bharat Arora**   **Proof-4**

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OGO
ORANGE GLOBAL OLYMPIAD

School **L**evel **E**xamination
SLE 2024

SET: I

GRADE 5

REASONING & APTITUDE

Subject Code: 7 0 1

Total Questions: 30   **Total Marks:** 30   **Time:** 1 hour

## DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

➢ All questions are compulsory.

➢ Read the instructions on the **ANSWER SHEET** and fill in your **NAME**, **CLASS** and **OTHER INFORMATION**.

➢ To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use an **HB PENCIL** only.

➢ You **MUST** record your answers on the **ANSWER SHEET** only.

➢ There are **30 MULTIPLE CHOICE QUESTIONS**. Each question carries one mark. Use the information provided to choose the **BEST** answer among the four possible options. On your **ANSWER SHEET** fill in the circle that matches your answer.

➢ Marks are **NOT** deducted for incorrect answers.

➢ Return the **ANSWER SHEET** to the invigilator at the end of the examination.

➢ You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.

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This question paper contains a total of 30 questions divided into three sections – A, B and C.

Section A (Logical Reasoning)

1. Select the correct option to replace the question mark '?' in the following series.

   (A)   (B)

   (C)   (D)
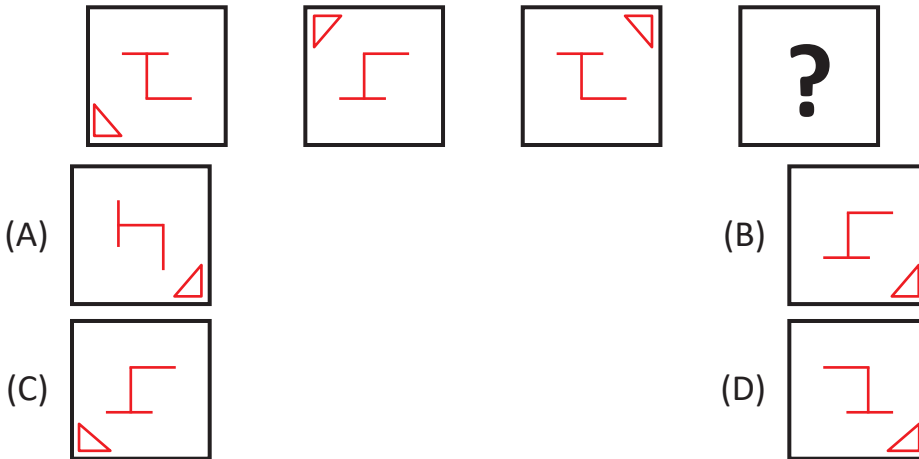
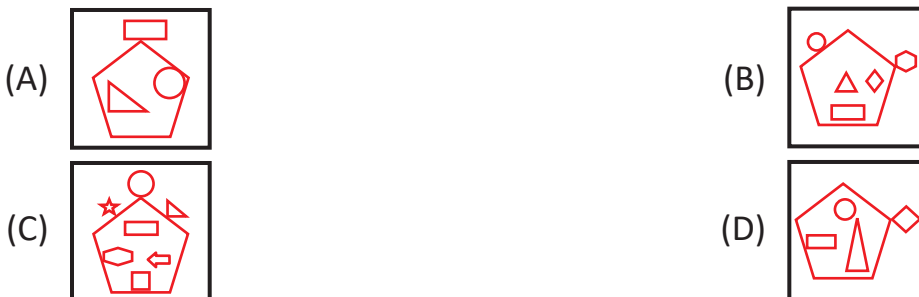2. Which square must be shaded so that the figure becomes symmetrical?
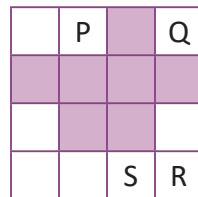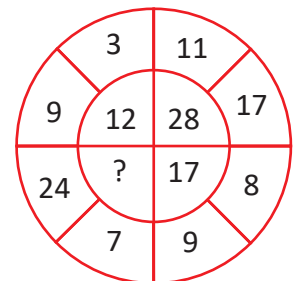

   (A) P   (B) Q

   (C) R   (D) None of these

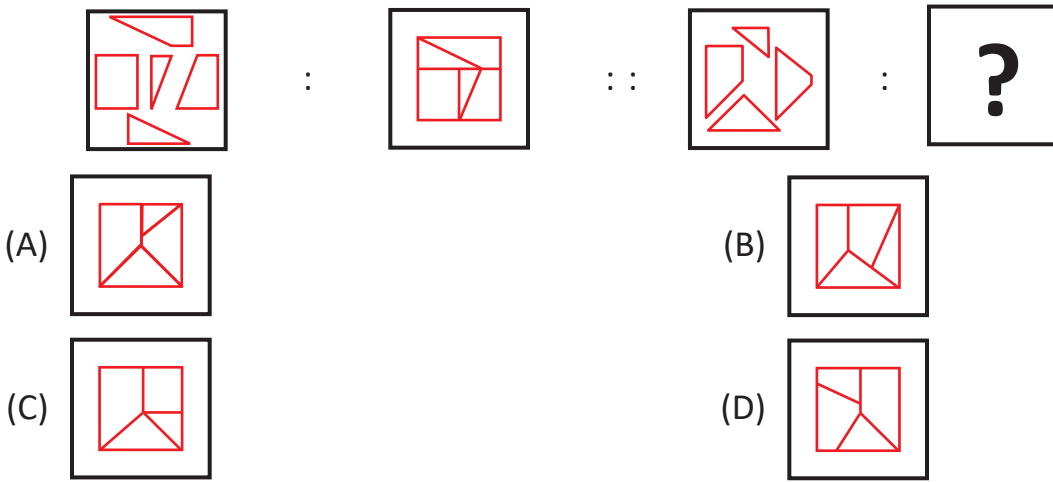3. Which one of the following is different from the other three?

   (A)   (B)

   (C)   (D)

4. Find the missing number.
   (A) 30
   (B) 33
   (C) 31
   (D) 32

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5. Select the figure from the given options, which can replace the question mark (?) to complete the given figure analogy.

(A)

(B)

(C)

(D)

6. Select the options in which figure X is embedded.

(A)

(B)

(C)

(D)

Figure X

7. Find the odd word that does not belong to the group.

(A) Mile   (B) Centimetre

(C) Litre   (D) Yard

8. Look at the given problem.

$$2[\circ + \circ] = 3(\stackrel{\star}{\diamond} + \stackrel{\star}{\diamond} + \stackrel{\star}{\diamond} + \stackrel{\star}{\diamond})$$

If $\circ = 6$, then what is the value of $\stackrel{\star}{\diamond}$?

(A) 3   (B) 2

(C) 1   (D) 4

9. Which letters are hidden in the following monogram?

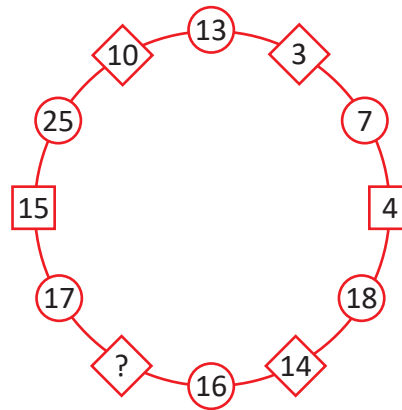(A) A O T V   (B) F A I E

(C) B E S T   (D) G A L E

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10. Number of triangles in the given figure is _____

(A) 10   (B) 9

(C) 11   (D) 12

11. Find the missing number.

(A) 1   (B) 2

(C) 4   (D) 8

12. Manjit travels 12 km west, then 5 km towards south and then 12 km towards east. How far is he from the starting point?

(A) 29 km   (B) 20 km

(C) 15 km   (D) 5 km

13. Which figure should replace the question mark '?' to establish the analogy?

(A)   (B)

(C)   (D)

14. Some groups of letters are given below. All of which except one, share a common similarity. Select the odd one.

(A) BCDE   (B) JKLM

(C) SUTV   (D) WXYZ

15. There are five persons, namely A, B, C, D and E. Each has a different age. B is older than C but younger than A. E is younger than C, and D is older than A. Who among them is the second youngest?

(A) A   (B) E

(C) D   (D) C

16. Arrange the given words as they occur in the dictionary and select the correct option.

  1. Main   2. Manager   3. Major   4. Match
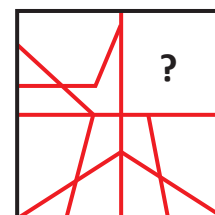
(A) 1, 3, 4, 2   (B) 3, 1, 2, 4

(C) 1, 3, 2, 4   (D) 2, 3, 1, 4

17. Select the option that would replace the question mark (?) to complete the pattern.

(A)   (B)

(C)   (D)

18. If it is possible to make only one meaningful word with the first, third, fourth and ninth letter of the word LANDSCAPE, which of the following would be the last letter of that word? If no such word can be made, give 'X' as your answer and if more than one such word can be formed, give your answer as 'Y'.

(A) D   (B) E

(C) Y   (D) X

19. In a certain language, 'TEACHER' is coded as 6 and 'STUDENTS ' as 7. What is the code number of 'HEADMASTER'?

(A) 10   (B) 9

(C) 7   (D) 11

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20. Anu remembers that Prem's birthday is certainly after the 12th of January but before 16th of January. Rocky remembers that Prem's birthday is before the 17th of January but after the 13th of January. On which of the following days was Prem's birthday?

(A) 14th

(B) 15th

(C) 16th

(D) Either 14th or 15th

Section B (Quantitative Aptitude)

21. From the group of numbers 18, 17, 4, 11, 10, 3, 12, 3, 19, choose the smallest number. Now, add 8 to it and then multiply the answer by 9. What will you get?

(A) 99

(B) 11

(C) 88

(D) 92

22. How many numbers between 1 and 99 contain the digit 4 at least once?

(A) 10

(B) 18

(C) 19

(D) 20

23. What number am I?

● I am a two digit even number

● I am a common multiple of 6 and 7

● I have a total of 8 factors

(A) 35

(B) 36

(C) 42

(D) 84

24. If the following numbers are arranged in the ascending order, then what will be the tens digit of the number which will be exactly in the middle?

317, 493, 283, 269, 875, 423, 725

(A) 2

(B) 3

(C) 6

(D) 7

25. Meena made a pattern with 7 squares and 5 triangles. How many sides were there altogether in Meena's pattern? (None of the squares or triangles share a side.)

(A) 40

(B) 41

(C) 42

(D) 43

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Section C (Competency Enhancement)

26. Study the pattern of numbers given in the table.

Row	Number						
1	1	2	3				
2	4	5	6	7			
3	8	9	10	11	12		
4	13	14	15	16	17	18	
5	19	20	21	22	23	24	25

Which will be the first number in the 8th row?
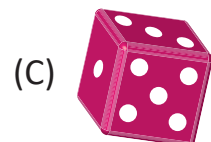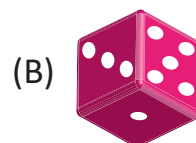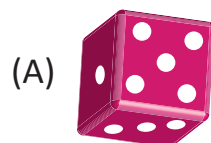
(A) 45   (B) 34

(C) 29   (D) 43

27. Which of the following will be the correct image of the given figure, when the mirror is placed vertically to the right?

(A)   (B)

(C)   (D)
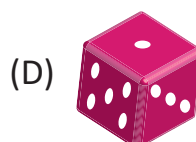
28. Sunny is thinking of a four digit number having all different digits.

- The units place digit is the greatest one-digit number.

- When the tens place digit is divided by the thousands place digit, the quotient is 2.

- The difference between the tens and hundreds place digit is 1.

- The thousands place digit is double of 2.

Which of the following is such number?

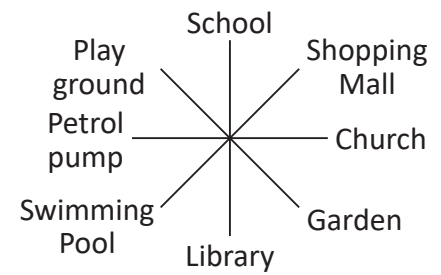(A) 3768   (B) 4789

(C) 4798   (D) 2349

29. Ranjit is facing the Garden. He makes $\frac{1}{2}$ turn in an anti-clockwise direction and then $\frac{3}{4}$ turn in clockwise direction. He is facing _____ now.

(A) Shopping Mall

(B) Garden

(C) Swimming pool

(D) Library

30. Lata is presently at Log Ride. She walked 6 units South, 9 units West and 2 units North. Which ride did she walk to?

(A) Giant Coaster

(B) Little Dipper

(C) Water Slide

(D) Ferris Wheel