



REASONING & APTITUDE

Grade 5

National Level Examination
NLE 2025

Subject Code:

7	0	1
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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**. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** fill in the circle that matches your answer.
- **$\frac{1}{2}$ MARK** will be deducted for every **WRONG ANSWER**.
- 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.



**GRADE
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This question paper contains a total of 30 questions divided into three sections—A, B and C. Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

1. In which row will the alphabet 'W' appear if all the alphabets are arranged in the given manner?

Row I: D, H, L, ...

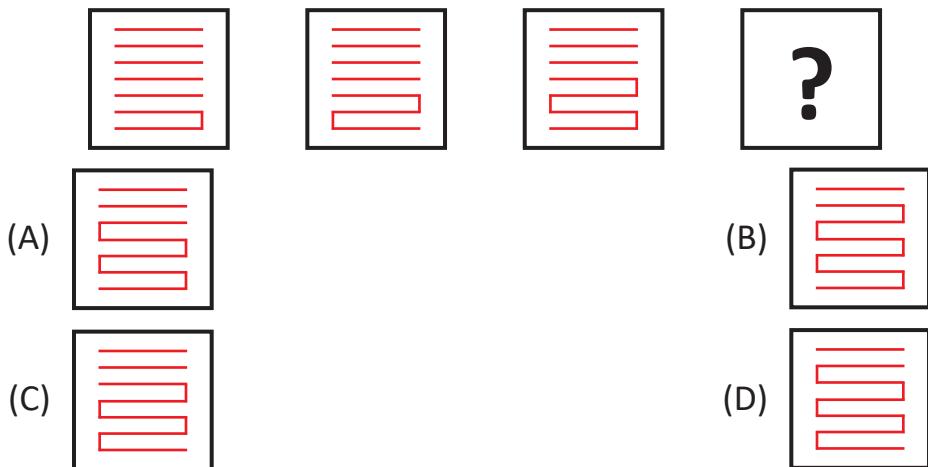
Row II: B, F, J, ...

Row III: C, G, K, ...

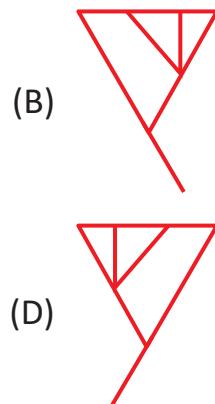
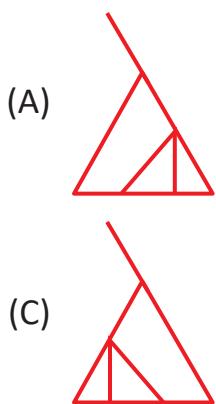
Row IV: A, E, I, ...

(A) Row I (B) Row II
(C) Row III (D) Row IV

2. Find the option that will replace the question mark to continue the given series.



3. Four figures are given, out of that, three are alike in some manner, while one is different. Choose the one that is different from the other three.



4. In the following, each letter represents a unique digit, and the leftmost digit of each number cannot be zero.

$$ABP \times 7 = PMPP$$

Find the value of $A + B + P$.

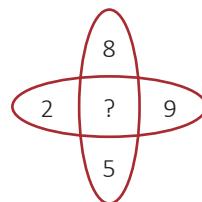
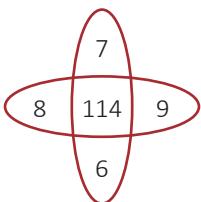
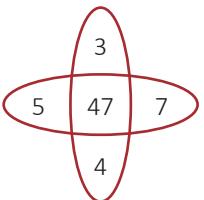
(A) 16 (B) 17
(C) 18 (D) 19

5. Select the item from the given options, which can replace the question mark (?) in such a way that the third and the fourth items are related to each other in the same way as the first and the second items.

$$321 : 6 :: 43210 : ?$$

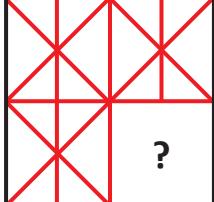
(A) 24 (B) 14
(C) 12 (D) 0

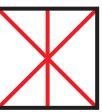
6. Find the missing number.



(A) 38 (B) 48
(C) 58 (D) 68

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



(A) 
(C) 

(B) 
(D) 



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8. Find the next term in the series.

1, 5, 7, 35, 37, ?

(A) 135 (B) 155
(C) 185 (D) None of these

9. How many lines of symmetry are there in the given figure?

(A) 1
(B) 3
(C) 5
(D) 6

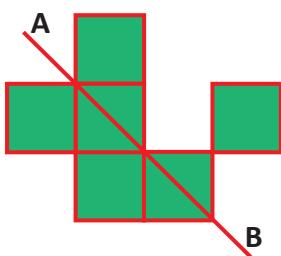


10. Find the next set of alphabets.

AbCdE, DeFgH, GhIjK, JkLmN, ?

(A) MnOpQ (B) MoNQp
(C) NoPqR (D) PqRsT

11. What is the minimum number of squares that must be added so that the line AB becomes the line of symmetry?



(A) 1 (B) 2
(C) 3 (D) 4

12. In a certain code language BHOPAL is coded as CIPQBM. Then in the same language, AHMEDABAD is coded as:

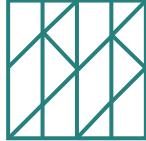
(A) BINFEBCBE (B) BGNEFBCC
(C) BINFEBDFB (D) BGNFGCBBE

13. Find the next number in the series.

4, 9, 25, 49, ?

(A) 81 (B) 121
(C) 144 (D) 169

14. Which of the following options is hidden/embedded in the given figure?



(A)

(B)

(C)

(D)

15. Find the missing alphabet.

AN, CP, GT, M?

(A) U (B) V
(C) Y (D) Z

16. In a certain code language, if 27348 is written as SPORT and 65928 is written as CHEST, then how will 385942 be written in that language?

(A) CHORES (B) CORPSE
(C) POSTER (D) OTHERS

17. How many meaningful words can be formed by using the letters A, B, E and K?

(A) One (B) Two
(C) Three (D) None

18. In the following, each letter represents a unique digit, and the leftmost digit of each number cannot be zero.

$$\begin{array}{r} & A & B & C \\ + & C & B & A \\ \hline E & D & F & D \end{array}$$

The value of F can be:

(A) 1 (B) 6
(C) 0 (D) 9

19. In her class, Komal is ranked 17th from the top and 26th from the bottom. In the same class, Rishi is ranked 12th from the top. How many students are below Rishi?

(A) 28 (B) 31
(C) 30 (D) 29



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20. Find the value of $(A + B)$ if A, B, C, and D are non-zero distinct digits.

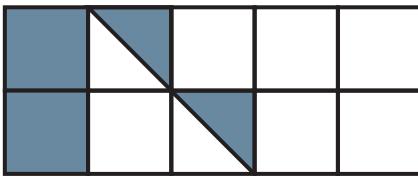
$$\begin{array}{r} A \\ B \\ + C \\ \hline D C \end{array}$$

(A) 8
(C) 20

(B) 10
(D) 15

Section B (Quantitative Aptitude)

21. What part of the rectangle is shaded?



(A) $\frac{1}{2}$
(C) $\frac{1}{4}$

(B) $\frac{3}{5}$
(D) $\frac{3}{10}$

22. What will be the next row?

1 2 1
1 3 3 1
1 4 6 4 1
.....

(A) 1 5 6 5 1
(C) 1 6 1 0 4 1

(B) 1 5 7 5 1
(D) 1 5 10 10 5 1

23. 1256 natural numbers (1, 2, 3, 4, ..., 1256) are written one after the other. Now numbers at even places are removed and thus a new series is formed (1, 3, 5, 7, ..., 1255). Again, numbers at even places are removed and a new series is formed. This continues till a single number N is left. Find the number of digits in N.

(A) 1
(C) 3

(B) 2
(D) 4

24. Substitute the correct mathematical symbol in place of '*'.

16 * 4 * 5 * 14 * 6

(A) $\div - = \times$
(C) $\div \times = +$

(B) $- \times + =$
(D) $\div + = -$



25. Four numbers are given, out of which three are alike in some manner while one is different. Choose the one that is different from the other three.

(A) 5 (B) 13
(C) 23 (D) 39

Section C (Competency Enhancement)

26. Four items are given, out of which three are alike in some manner while one is different. Choose the one that is different from the other three.

(A) Car (B) Scooter
(C) Cycle (D) Ship

27. James is facing north. He turns 90° in the anticlockwise direction, then 180° in the same direction, and then 45° in clockwise direction. In which direction is he facing now?

(A) South-East (B) South-West
(C) North-East (D) East

28. In which 2 years in the following, is the number of days in February are the same?

(A) 2027 and 2032 (B) 2032 and 2050
(C) 2040 and 2062 (D) 2028 and 2052

29. In a particular year, the 3rd of August is a Sunday then the number of Sundays in that month is

(A) 4 (B) 5
(C) 3 (D) 6

30. The board's squares need to be filled in with the digits from 1 to 9 in order to sum up to the specified numbers (shown in the shaded squares). You cannot use the same digit more than once to obtain a given sum.

	N	11
		6
10	7	

Find the value of N.

(A) 1 (B) 4
(C) 5 (D) 6



The image is a collage of mathematical concepts. It features a blue banner at the top with the text 'GRADE' and '5'. Below this, there is a 3D geometric diagram of a triangular prism with vertices labeled A, B, C, D, E, and F. A dashed line represents a hidden edge. A probability formula $\sqrt{\frac{k}{n}} = \frac{n^{\frac{1}{2}} - (n-k)^{\frac{1}{2}}}{(n-k)^{\frac{1}{2}}}$ is written next to the prism. In the background, there are faint mathematical expressions: \sqrt{a} , \sqrt{b} , \sqrt{c} , and $\frac{3}{8} = 0.375 = 37.5\%$.