





Banking

WB Police **WB Civil Services** **Other Competitive Exams**

Date: 11th Jan 2024

Special Question - Logical Reasoning

English

Q:1 Find the missing term in the series.

A16F, B25E, C36F, D49I, ?, H81A

- **1.** F43A
- 2. F32G
- 3. F64D
- 4. F81Q

Q:2 Find the missing term in the series.

11Z2, 81A9, 121Y4, ?, 289X19, 441C9

- **1.** 221X9
- 2. 225B9
- 3. 225D9
- **4.** 225H6

Q:3 Find the missing term in the series.

D35V, G210T, J1050R, M4200P, ?, S25200L

- 1. P12600N
- 2. P13200N
- **3.** P4532B
- 4. P12600F

Q:4 Find the missing term in the series.

V18E, T27H, R36K, ?, N54Q, L63T

- **1.** P45N
- 2. P56N
- 3. P45C
- 4. P34C

Q:5 Which of the following term will replace the question mark (?) in the given series?

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C25U, I42O, O30I, U12C, A09W, ?

- 1. G18Q
- 2. G14Q
- 3. G12Q
- **4.** G11A

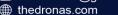


















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Answer Key

| 1. (3) | 2. (2) | 3 . (1) | 4. (1) | 5. (1) | |
|---------------|---------------|----------------|---------------|---------------|--|

Answers and Solutions

Q:1 The correct answer is Option 3 i.e F64D

Given series = A16F, B25E, C36F, D49I, ?, H81A

The logic for numbers = Squares of numbers starting from 4.

$$4^2 = 16, 5^2 = 25, 6^2 = 36, 7^2 = 49, 8^2 = 64, 9^2 = 81$$

The logic for letters = positional values of letters is equal to the square of the number.

for example, A16F = Positional value of A is 1 and F is 6

Similarly, for the missing term= square of number = 64 = 6 is the positional value of F and 4 is for D. = F64D So, the missing term will be **F64D**

Hence, the correct answer is **F64D**.

Q:2 The correct answer is Option 2 i.e 225B9

Given series = 11Z2, 81A9, 121Y4, ?, 289C19, 441X9

The logic for numbers = Subtract two from prime numbers and write the square of the resultant number (start from 11)

First number (before letter) = 11, 81, 121, ?, 289, 441

$$(11 - 2)^2 = 81$$

$$(13 - 2)^2 = 121$$

$$(17 - 2)^2 = 225$$

$$(19 - 2)^2 = 289$$

$$(23 - 2)^2 = 441$$

The second number (after the letter) = addition of digits of the first number

$$11 = 1 + 1 = 2$$

$$81 = 8 + 1 = 9$$

$$121 = 1 + 2 + 1 = 4$$

$$225 = 2 + 2 + 5 = 9$$

$$289 = 2 + 8 + 9 = 19$$

$$441 = 4 + 4 + 1 = 9$$

The logic for letters = opposite letters of the given letter

Given = Z, A, Y, ?, X, C

 $Z \Leftrightarrow A, Y \Leftrightarrow B, X \Leftrightarrow C$ (opposite letters)

So, the missing term will be 225B9.

Hence, the correct answer is 225B9.

Q:3 The correct answer is Option 1 i.e. P12600N

Given series = D35V, G210T, J1050R, M4200P, ?, S25200L

The logic for numbers =

Series Pattern

35

 $35 \times 6 = 210$

 $210 \times 5 = 1050$

 $1050 \times 4 = 4200$

 $4200 \times 3 = 12600$

12600 × 2 = 25200

The logic for letters =

D + 3 = G, G + 3 = J, J + 3 = M, M + 3 = P, P + 3 = S,

$$V - 2 = T, T - 2 = R, R - 2 = P, P - 2 = N, N - 2 = L$$

So, the missing term will be P12600N.

Hence, the correct answer is P12600N.

Q:4 The correct answer is Option 1 i.e P45N

Given series = V18E, T27H, R36K, ?, N54Q, L63T

The logic for numbers = Digits of a number is being added to give us the next term in the series.

Series Pattern

18 + 9 = 27

27 + 9 = 36

36 + 9 = 45

45 + 9 = 54

54 + 9 = 63

The logic for letters =

V - 2 = T, T - 2 = R, R - 2 = P, P - 2 = N, N - 2 = L

$$E + 3 = H, H + 3 = K, K + 3 = N, N + 3 = Q, Q + 3 = T,$$

So, the missing term will be P45N.

Hence, the correct answer is P45N.

Q:5 The correct answer is Option 1 i.e G18Q

Given series = C25U, I42O, O30I, U12C, A09W, ?

The logic for numbers =

Series Pattern

25

$$(2+5) \times 6 = 42$$

$$(4+2) \times 5 = 30$$

$$(3+0) \times 4 = 12$$

$$(1+2) \times 3 = 09$$

$$(0+9) \times 2 = 18$$

The logic for letters =

$$C + 6 = I, I + 6 = O, O + 6 = U, U + 6 = A, A + 6 = G,$$

 $U - 6 = O, O - 6 = I, I - 6 = C, C - 6 = W, W - 6 =$

Q

So, the next term will be G18Q.

Hence, the correct answer is **G18Q**.







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