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?
C25U, I42O, O30I, U12C, A09W, ?
1. G18Q
2. G14Q
3. G12Q
4. G11A

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 ⇔ A, **Y ⇔ B**, X ⇔ 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 × 6 = 210
210 × 5 = 1050
1050 × 4 = 4200
4200 × 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
$(2+5) × 6 = 42$
$(4+2) × 5 = 30$
$(3+0) × 4 = 12$
$(1+2) × 3 = 09$
$(0+9) × 2 = 18$
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.**