



Date : 6th Jan 2024

Logical Reasoning – Series

English

Q:1 A series is given with one/two terms missing. Choose the correct alternative from the given ones that will complete the series.

EK, IN, MQ, ?, UW

1. AS
2. QT
3. WQ
4. VC

Q:2 Find the missing number in the given series.

59, 66, 77, 90, ?, 126

1. 105
2. 107
3. 109
4. 115

Q:3 A series is given with one term missing. Choose the correct alternative from the given options that will complete the series.

784, 729, 676, 625, 576, ?

1. 484
2. 441
3. 529
4. 190

Q:4 Choose the correct term that will come in the blanks.

27, 38, __, 66, 83, 102

1. 51
2. 50
3. 49
4. 52

Q:5 Find the wrong number in the following series.

324, 335, 357, 390, 433, 489

1. 433
2. 489
3. 357
4. 390

Q:6 Complete the following series.

SDG, WHK, ALO, EPS, ITW, ?

1. LWZ
2. MXA
3. NYB
4. MYA

Q:7 A series is given with one/two terms missing. Choose the correct alternative from the given ones that will complete the series.

OK, SN, ?, AT, ?

1. WE, WQ
2. WQ, EW
3. GH, WQ
4. QW, EW

Q:8 Which letter cluster will complete the given series?

HOWD, GMVF, FKUH, EITJ, DGSL, _ _ _ _ _

1. CERL
2. CERN
3. CDRL
4. EERN

Q:9 Complete the given letter series.

KRW, MQV, OPU, QOT, ?

1. SNS
2. AAH
3. BVJ
4. LDV

Q:10 Find the missing number in the given series.

155, 166, 179, 196, ?, 217

1. 215
2. 212
3. 109
4. 115

Answer Key

1. (2)	2. (2)	3. (3)	4. (1)	5. (1)
6. (2)	7. (2)	8. (2)	9. (1)	10. (2)

Answers and Solutions

Q:1 The correct answer is **Option 2** i.e. **QT**
Based on the alphabetical series starting from A.
EK = E + 4, K + 3 = IN
IN = I + 4, N + 3 = MQ
MQ = M + 4, Q + 3 = QT
QT = Q + 4, T + 3 = UW
Hence, the correct answer is **QT**.

Q:2 The correct answer is **Option 2** i.e. **107**
The pattern is as follows: Addition of prime numbers starting from 7.
 $59 + 7 = 66$,
 $66 + 11 = 77$,
 $77 + 13 = 90$,
 $90 + 17 = 107$,
 $107 + 19 = 126$
Hence, the correct answer is **107**.

Q:3 The correct answer is **Option 3** i.e. **529**
Based on the square of the numbers.
784, 729, 676, 625, 576, ?
 $28^2 = 784$
 $27^2 = 729$
 $26^2 = 676$
 $25^2 = 625$
 $24^2 = 576$
 $23^2 = 529$
Hence, the correct answer is **529**.

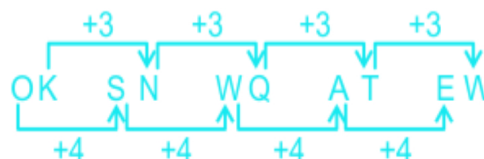
Q:4 The correct answer is **Option 1** i.e. **51**
Given series: 27, 38, __, 66, 83, 102
The logic followed here is:
 $2 + 5^2 = 27$
 $2 + 6^2 = 38$
 $2 + 7^2 = 51$
 $2 + 8^2 = 66$
 $2 + 9^2 = 83$
 $2 + 10^2 = 102$

Hence, the correct answer is **51**.

Q:5 The correct answer is **Option 1** i.e. **433**
The numbers are being increased by the multiples of eleven in increasing order.
Given: 324, 335, 357, 390, 433, 489
 $324 + 11 = 335$,
 $335 + 22 = 357$,
 $357 + 33 = 390$,
 $390 + 44 = 434 \neq 433$,
 $434 + 55 = 489$
Thus, **433** is wrong among the numbers in the series given above.
Hence, the correct answer is **433**.

Q:6 The correct answer is **Option 2** i.e. **MXA**
Each of the three corresponding letters in an element is increased by 4 letters
SDG \rightarrow S + 4 = W, D + 4 = H, G + 4 = K \Rightarrow WHK
WHK \rightarrow W + 4 = A, H + 4 = L, K + 4 = O \Rightarrow ALO
ALO \rightarrow A + 4 = E, L + 4 = P, O + 4 = S \Rightarrow EPS
EPS \rightarrow E + 4 = I, P + 4 = T, S + 4 = W \Rightarrow ITW
The next element will be:
ITW \rightarrow I + 4 = M, T + 4 = X, W + 4 = A \Rightarrow **MXA**
Hence, the correct answer is **MXA**.

Q:7 The correct answer is **Option 2** i.e. **WQ, EW**
Based on the alphabetical series starting from A.



Hence, the correct answer is **WQ, EW**.

Q:8 The correct answer is **Option 2** i.e. **CERN**.
The pattern followed here is:
The 1st letter of each letter cluster, H - 1 = G, G - 1 = F, F - 1 = E, E - 1 = D, D - 1 = **C**
The 2nd letter of each letter cluster, O - 2 = M, M - 2 = K, K - 2 = I, I - 2 = G, G - 2 = **E**
The 3rd letter of each letter cluster, W - 1 = V, V - 1 = U, U - 1 = T, T - 1 = S, S - 1 = **R**
The 4th letter of each letter cluster, D + 2 = F, F + 2 = H, H + 2 = J, J + 2 = L, L + 2 = **N**



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So, 'CERN' will complete the series.

Hence, **CERN** is correct.

Q:9 The correct answer is **Option 1** i.e. **SNS**

KRW, MQV, OPU, QOT, ?

1st letter: $K + 2 = M$, $M + 2 = O$, $O + 2 = Q$, $Q + 2 = S$

2nd letter: $R - 1 = Q$, $Q - 1 = P$, $P - 1 = O$, $O - 1 = N$

3rd letter: $W - 1 = V$, $V - 1 = U$, $U - 1 = T$, $T - 1 = S$

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

Q:10 The correct answer is **Option 2** i.e. **212**

155, 166, 179, 196, ?, 217

$155 + (1 + 5 + 5) = 166$,

$166 + (1 + 6 + 6) = 179$,

$179 + (1 + 7 + 9) = 196$,

$196 + (1 + 9 + 6) = 212$,

$212 + (2 + 1 + 2) = 217$

Hence, the correct answer is **212**.

