Q. 1  PMT, OOS, NQR, MSQ, ?

[A] LUP  
[B] LVP  
[C] LVR  
[D] LWP

Answer  Option [A]  

Explanation:

Q. 2  0.5, 0.55, 0.65, 0.8, ?

[A] 0.9  
[B] 0.82  
[C] 1  
[D] 0.95

Answer  Option [C]  

Explanation:  
The pattern is + 0.05, + 0.10, + 0.15,.....  
So, missing term = 0.8 + 0.20 = 1.

Q. 3  3, 7, 23, 95, ?

[A] 62  
[B] 128  
[C] 479  
[D] 575

Answer  Option [C]  

Explanation:  
The pattern is x 2 + 1, x 3 + 2, x 4 + 3,.....  
So, missing term = 95 x 5 + 4 = 479.

Q. 4  5, 2, 7, 9, 16, 25, ?

[A] 41  
[B] 45  
[C] 48  
[D] 52

Answer  Option [A]  

Explanation:  
Each term in the series, except the first two terms, is the sum of the preceding two terms.  
So, missing term = 16 + 25 = 41.
Q. 5  \[ m \_ nm \_ n \_ an \_ a \_ ma \_ \]

[A] aamnan  
[B] ammannm  
[C] aammnn  
[D] amammn

Answer  Option [C]

**Explanation:**
The series is man/man/man/man. Thus, the pattern 'man' is repeated.

---

Q. 6  \[ 6, 12, 21, ?, 48 \]

[A] 33  
[B] 38  
[C] 40  
[D] 45

Answer  Option [A]

**Explanation:**
The pattern is +6, +9, +12, +15,.....  
So, missing term = 21 + 12 = 33.

---

Q. 7  \[ 90, 180, 12, 50, 100, 200, ?, 3, 50, 4, 25, 2, 6, 30, 3 \]

[A] 150  
[B] 175  
[C] 225  
[D] 250

Answer  Option [A]

**Explanation:**
Clearly, 90 = 30 x 3, 180 = 6 x 30, 12 = 2 x 6, 50 = 25 x 2, 100 = 4 x 25, 200 = 50 x 4.  
So, missing term = 3 x 50 = 150.

---

Q. 8  \[ 1, 1, 2, 6, 24, ?, 720 \]

[A] 100  
[B] 104  
[C] 108  
[D] 120

Answer  Option [D]

**Explanation:**
The pattern is x1, x2, x3, x4,...  
So, missing term = 24 x 5 = 120.

---

Q. 9  \[ 10, 100, 200, 310, ? \]
Q. 10  A, B, N, C, D, O, E, F, P, ?, ?, ?
   [C] G, H, Q
   [D] J, K, L
Answer Option [C]
Explanation:
The given series may be divided into 2 groups:
I. A, B, C, D, E, F, ?, ?, and II. N, O, P, ?
Clearly, the given series consists of two terms of I followed by one term of II.
The missing terms in I are G and H while the missing term in II is Q.

Q. 11  _ a _ b _ abaa _ bab _ abb
   [A] aaabb
   [B] ababb
   [C] babab
   [D] babbba
Answer Option [D]
Explanation:
The series is baa/bba/baa/bba/baa/bb. Thus, the pattern baa/bba is repeated.

Q. 12  A, G, L, P, S, ?
   [A] U
   [B] W
   [C] X
   [D] Y
Answer Option [A]
Explanation:

Q. 13  1, 9, 25, 49, 81, ?
Answer Option [C]

Explanation:
The series consists of squares of consecutive odd numbers
i.e. $1^2$, $3^2$, $5^2$, $7^2$, $9^2$,.....
So, missing term = $11^2 = 121$.

---

Q. 14  
6, 13, 25, 51, 101, ?

[A] 201  
[B] 202  
[C] 203  
[D] 205

Answer Option [C]

Explanation:
The pattern is $x^2 + 1$, $x^2 - 1$, $x^2 + 1$, $x^2 - 1$,.....
So, missing term = $101^2 + 1 = 203$.

---

Q. 15  
1, 2, 6, 7, 21, 22, 66, 67, ?

[A] 70  
[B] 134  
[C] 201  
[D] 301

Answer Option [C]

Explanation:
The pattern is $+ 1$, $x 3$, $+ 1$, $x 3$, $+ 1$, $x 3$, $+ 1$,.....
So, missing term = $67 \times 3 = 201$.

---

Q. 16  
46080, 3840, 384, 48, 24, 2, 1

[A] 384  
[B] 48  
[C] 24  
[D] 2

Answer Option [C]

Explanation:
The correct pattern is $\div 12$, $\div 10$, $\div 8$, $\div 6$,.....
So, 24 is wrong and must be replaced by $(48 + 6)$ i.e. 8.

---

380, 188, 92, 48, 20, 8, 2
Q. 17

[| A | 8 |
[B] 20 |
[C] 48 |
[D] 188 |

Answer Option [C]

**Explanation:**
The correct pattern is - 192, - 96, - 48, - 24, - 12, - 6.
So, 48 is wrong and must be replaced by (92 - 48) i.e. 44.

---

Q. 18

24, 60, 120, 210, ?

[A] 300 |
[B] 336 |
[C] 420 |
[D] 525 |

Answer Option [B]

**Explanation:**
The pattern is + 36, + 60, + 90,....i.e. + [6 x (6 + 0)], + [6 x (6 + 4)], + [6 x (6 + 9)]....
So, missing term = 210 + [6 x (6 + 15)] = 210 + 126 = 336.

---

Q. 19

5760, 960, ?, 48, 16, 8

[A] 120 |
[B] 160 |
[C] 192 |
[D] 240 |

Answer Option [C]

**Explanation:**
The pattern is ÷ 6, ÷ 5, ÷ 4, ÷ 3, ÷ 2.
So, missing term = 960 ÷ 5 = 192.

---

Q. 20

24576, 6144, 1536, 386, 96, 24

[A] 96 |
[B] 386 |
[C] 1536 |
[D] 6144 |

Answer Option [B]

**Explanation:**
Each term of the series is obtained by dividing the preceding term by 4.
So, 1536 is wrong and must be replaced by (1536 + 4) i.e. 384.

---

Q. 21

196, 169, 144, 121, 101
Answer: Option [A]

Explanation:
The sequence is $(14)^2$, $(13)^2$, $(12)^2$, $(11)^2$, $(10)^2$.
So, 101 is wrong and must be replaced by $(10)^2$ i.e. 100.

Q. 22
- stt  tt  tts -
[A] tsts
[B] ttst
[C] sttt
[D] tsst

Answer: Option [D]

Explanation:
The series is tst/tst/tst/tst. Thus, the pattern 'tst' is repeated.

Q. 23
125,80,45,20,?
[A] 5
[B] 8
[C] 10
[D] 12

Answer: Option [A]

Explanation:
The pattern is - 45, - 35, - 25, ..... So, missing term = 20 - 15 = 5.

Q. 24
- nmnm _ mmnn _ mmnm _
[A] nmnm
[B] mmnm
[C] mmnm
[D] nmnm

Answer: Option [C]

Explanation:
The series is nmnm/nmnm/nmnm/nmnm. Thus, the pattern 'nmnm' is repeated.

Q. 25
- aba _ ba _ ab
[A] abba
Q. 26 6, 15, 35, 77, 165, 221

[A] 35  
[B] 77  
[C] 165  
[D] 15

Answer Option [C]

Explanation: The terms of the series are products of two consecutive prime numbers i.e. (2 x 3), (3 x 5), (5 x 7), (7 x 11), ...... So, 165 is wrong and must be replaced by (11 x 13) i.e. 143.

Q. 27 13, 32, 24, 43, 35, ?, 46, 57, 76

[A] 45  
[B] 52  
[C] 54  
[D] 55

Answer Option [C]

Explanation: The given sequence is a combination of two series: 1. 13, 24, 35, 46, 57 and 2. 32, 43, ?, 65, 76 The pattern in both I and II is + 11. So, missing term = 43 + 11 = 54.

Q. 28 A, CD, GHI, ?, UVWXY

[A] LMNO  
[B] MNO  
[C] MNOP  
[D] NOPQ

Answer Option [C]

Explanation: Each term consists of consecutive letters in order. The number of letters in the terms goes on increasing by one at each step. Also, there is a gap of one letter between the last letter of the first term and the first letter of the second term; a gap of two letters between the last letter of the second term and the first letter of the third term; and so on. So, there should be a gap of three letters between the last letter of the third term and the first letter of the desired term.

Q. 29 AZ, GT, MN, ?, YB
Q. 30 3, 7, 15, 39, 63, 127, 255, 511

[A] 15  
[B] 39  
[C] 63  
[D] 127

Answer  Option [B]

Explanation:  
The correct pattern is $x \times 2 + 1$.  
So, 39 is wrong and must be replaced by $(15 \times 2 + 1)$ i.e. 31.

Q. 31 1, 5, 9, 15, 25, 37, 49

[A] 9  
[B] 15  
[C] 25  
[D] 37

Answer  Option [B]

Explanation:  
The terms of the given series are $1^2$, $(2^2 + 1)$, $3^2$, $(4^2 + 1)$, $5^2$, $(6^2 + 1)$, $7^2$.  
So, 15 is wrong and must be replaced by $(4^2 + 1)$ i.e. 17.

Q. 32 2, 3, 5, 7, 11, ?, 17

[A] 12  
[B] 13  
[C] 14  
[D] 15

Answer  Option [B]

Explanation:  
Clearly, the given series consists of prime numbers starting from 2.  So, the missing term is the prime number after 11, which is 13.

Q. 33 3, 10, 27, 4, 16, 64, 5, 25, 125

[A] 3

Q. 34 Which term of the series 5, 8, 11, 14, ..... is 320?

[A] 104th
[B] 105th
[C] 106th
[D] 64th

Answer Option [C]

Explanation:
Clearly, 5 + 3 = 8, 8 + 3 = 11, 11 + 3 = 14, ..... So, the series is an A.P. in which a = 5 and d = 3. Let 320 be the nth term of the series. Then, 320 = 5 + (n - 1) x 3 or (n - 1) = 105 or n = 106.

Q. 35 5824, 5242, ?, 4247, 3823

[A] 4467
[B] 4718
[C] 4856
[D] 5164

Answer Option [B]

Explanation:
Each term in the series is obtained by subtracting from the preceding term the number formed by the first three digits of the preceding term. So, missing term = 5242 - 524 = 4718.

Q. 36 1, 1, 4, 8, 9, 27, 16, ?

[A] 32
[B] 64
[C] 81
[D] 256

Answer Option [B]

Explanation:
The series consists of squares and cubes of consecutive natural numbers i.e. 1², 1³, 2², 2³, 3², 3³, 4², ..... So, missing term = 4³ = 64.
Q. 37  
1236, 2346, 3456, 4566, 5686  
[A] 1236  
[B] 3456  
[C] 4566  
[D] 5686  

Answer Option [D]  

Explanation:  
The correct pattern in the series is + 1110.  
So, 5686 is wrong and must be replaced by (4566 + 1110) i.e. 5676.

Q. 38  
8, 13, 21, 32, 47, 63, 83  
[A] 13  
[B] 21  
[C] 32  
[D] 47  

Answer Option [D]  

Explanation:  
The correct pattern is + 5, + 8, + 11, + 14,.....  
So, 47 is wrong and must be replaced by (32 + 14) i.e. 46.

Q. 39  
c _ bba _ cab _ ac _ ab _ ac  
[A] abebe  
[B] acbcb  
[C] babec  
[D] bcacb  

Answer Option [B]  

Explanation:  
The series is cabbac/cabbac/cabbac. Thus, the pattern 'cabbac' is repeated.

Q. 40  
198, 194, 185, 169, ?  
[A] 92  
[B] 112  
[C] 136  
[D] 144  

Answer Option [D]  

Explanation:  
The pattern is - 4, - 9, - 16,.....i.e. - 2², - 3², - 4².....  
So, missing pattern = 169 - 5² = 169 - 25 = 144.
Q. 41

[A] aaaaa
[B] aabaa
[C] aabab
[D] baabb

Answer: Option [B]

Explanation:
The series is ab/a/b/a/b/a/b/a. Thus, the pattern 'aba' is repeated.

Q. 42

3, 7, 15, ?, 63, 127

[A] 30
[B] 31
[C] 47
[D] 52

Answer: Option [B]

Explanation:
Each number in the series is one more than twice the preceding number. So, missing term = \((15 \times 2) + 1 = 31\).

Q. 43

0, 2, 8, 14, ?, 34

[A] 20
[B] 23
[C] 24
[D] 25

Answer: Option [C]

Explanation:
The pattern is +2, +6, +6, +10, +10,..... So, missing term = 14 + 10 = 24.

Q. 44


[A] O, P
[B] P, Q
[C] R, R
[D] S, R

Answer: Option [C]

Explanation:
The given sequence is a combination of two series: I. C, F, I, L, O, ? and II. Z, X, V, T, ?
Q. 45  6, 18, 3, 21, 7, 56, ?

[A]  8  
[B]  9  
[C]  63  
[D]  64  

Answer  Option [A]

**Explanation:**
Each term at an even place in the series is the product of its two adjacent terms. 
Thus, if the missing term be x, then we have : 7 x x = 56 or x = 56 ÷ 7 = 8.

Q. 46  2, 5, 10, 50, 500, 5000

[A]  5  
[B]  10  
[C]  50  
[D]  5000

Answer  Option [D]

**Explanation:**
Each term of the series is the product of the preceding two terms. 
So, 5000 is wrong and must be replaced by (50 x 500) i.e. 25000.

Q. 47  Which of the following will not be a number of the series 1, 8, 27, 64, 125,.....?

[A]  256  
[B]  512  
[C]  729  
[D]  1000

Answer  Option [A]

**Explanation:**
The given series consists of cubes of natural numbers only. 256 is not the cube of any natural number.


[A]  H, G  
[B]  H, I  
[C]  I, H  
[D]  J, I

Answer  Option [D]

**Explanation:**

Q. 49  a _ b a _ b _ b _ a _ b
[A] abaab
[B] abbab
[C] aabba
[D] bbabb

Answer Option [D]

Explanation: The series is abba/abba/abba. Thus, the pattern 'abba' is repeated.

Q. 50 PERPENDICULAR, ERPENDICULA, RPENDICUL, ?

[A] PENDICUL
[B] PENDIC
[C] ENDIC
[D] ENDICU
[E] None of these

Answer Option [E]

Explanation: Each term of the series is obtained by removing two letters from the preceding term one from the beginning and one from the end. So, the missing term is PENDICU.

Q. 51 4, 7, 12, 19, 28, ?

[A] 30
[B] 36
[C] 39
[D] 49

Answer Option [C]

Explanation: The pattern is + 3, + 5, + 7, + 9, ..... So, missing term = 28 + 11 = 39.

Q. 52 ADVENTURE, DVENTURE, DVENTUR, ?, VENTU

[A] DVENT
[B] VENTURE
[C] VENTUR
[D] DVENTU
[E] None of these

Answer Option [C]

Explanation: One letter from the beginning and one from the end of a term are removed, one by one, in alternate steps.
Q. 53  
AZ, CX, FU, ?

[A] IR  
[B] IV  
[C] JQ  
[D] KP

Answer: Option [C]  
Explanation:

Q. 54  
15, 16, 22, 29, 45, 70

[A] 16  
[B] 22  
[C] 45  
[D] 70

Answer: Option [B]  
Explanation:  
The correct pattern is + 1, + 4, + 9, + 16, + 25 i.e. + 1^2, + 2^2, + 3^2, + 4^2, + 5^2.  
So, 22 is wrong and must be replaced by (16 + 4) i.e. 20.

Q. 55  
_ op _ mo _ n _ _ pnmop _._

[A] mnpmon  
[B] mpnmpm  
[C] mnompn  
[D] mnpmnm

Answer: Option [A]  
Explanation:  
The series is mopp/mopn/mopn/mopn. Thus, the pattern 'mopn' is repeated.

Q. 56  
3, 8, 13, 24, 41, ?

[A] 70  
[B] 75  
[C] 80  
[D] 85

Answer: Option [A]  
Explanation:  
The pattern followed is: nth term + (n + 1)th term + (n + 1) = (n + 2)th term.  
Thus, 1st term + 2nd term + 2 = 3rd term; 2nd term + 3rd term + 3 = 4th term and so on.  
So, missing term = 6th term = 4th term + 5th term + 5 = 24 + 41 + 5 = 70.

Q. 57  
H, I, K, N, ?

Q. 58  
25, 36, 49, 81, 121, 169, 225  
[A] 36  
[B] 49  
[C] 169  
[D] 225  
Answer Option [A]  
Explanation:  
The correct sequence is $5^2$, $7^2$, $9^2$, $11^2$, $13^2$, $15^2$. So, 36 is wrong.

Q. 59  
_tu_ rt_ s_ usrtu_  
[A] rtsru  
[B] rsutrr  
[C] rsurtr  
[D] rsurts  
Answer Option [D]  
Explanation: The series $rtus/rtus/rtus/rtus$. Thus, the pattern ‘rtus’ is repeated.

Q. 60  
ab_ aa_ bbb_ aaa_ bbaa  
[A] abba  
[B] baab  
[C] aaab  
[D] abab  
Answer Option [B]  
Explanation: The series is abba/aabbb/aabbb/aabbb/a. Thus the letters are repeated twice, then thrice, then four times and so on.

Q. 61  
gfe_ ig_ ei_ fei_ gf_ ii  
[A] eifgi  
[B] figie
Q. 62  2, 3, 4, 6, 8, 9, 12, 16

[A] 3
[B] 6
[C] 9
[D] 12

Answer Option [C]

Explanation:
The given sequence is a combination of three series:
I. 1st, 4th, 7th terms i.e. 2, 4, 9,....
II. 2nd, 5th, 8th terms i.e. 3, 6, 12,....
III. 3rd, 6th, 9th terms i.e. 4, 8, 16,....
In each one of I, II and III, each term is twice the preceding term. So, 9 is wrong and must be replaced by (4 x 2) i.e. 8.

Q. 63  1, 3, 10, 21, 64, 129, 356, 777

[A] 21
[B] 129
[C] 10
[D] 356

Answer Option [D]

Explanation:
The correct pattern is x 2 + 1, x 3 + 1, x 2 + 1, x 3 + 1,....
So, 356 is wrong and must be replaced by (129 x 3 + 1) i.e. 388.

Q. 64  M, N, O, L, R, I, V, ?

[A] A
[B] E
[C] F
[D] H
[E] Z

Answer Option [B]

Explanation:
The given sequence is a combination of two series:
I. M, O, R, V and II. N, L, I, ?
Q. 65 \_aa\_ ba\_ bb\_ ab\_ aab

[A] aaabb
[B] babab
[C] bbaab
[D] bbbab

Answer Option [C]

**Explanation:**
The series is baab/baab/baab/baab. Thus, the pattern 'baab' is repeated.

Q. 66 93, 309, 434, 498, 521, 533

[A] 309
[B] 434
[C] 498
[D] 521

Answer Option [D]

**Explanation:**
The correct pattern is + 6^3, + 5^3, + 4^3, + 3^3, ....
So, 521 is wrong and must be replaced by (498 + 3^3) i.e. 525.

Q. 67 3, 2, 8, 9, 13, 22, 18, 32, 23, 42

[A] 8
[B] 9
[C] 13
[D] 22

Answer Option [B]

**Explanation:**
The given sequence is a combination of two series:
I. 3, 8, 13, 18, 23 and II. 2, 9, 22, 32, 42
The pattern in I is + 5, and the pattern in II is + 10. So, in II, 9 is wrong and must be replaced by (2 + 10) i.e. 12.

Q. 68 563, 647, 479, 815, ?

[A] 672
[B] 386
[C] 279
[D] 143

Answer Option [D]

**Explanation:**
The pattern is + 84, - 168, + 336,......i.e. + 84, - (84 x 2), + (84 x 2^2), ..... 
So, missing term = 815 - (84 x 2^3) = 815 - 672 = 143.
Q. 69  0, 2, 3, 5, 8, 10, 15, 17, 24, 26, ?

- [A] 28
- [B] 30
- [C] 32
- [D] 35

Answer  Option [D]

**Explanation:**
The given sequence is a combination of two series:
I. 0, 3, 8, 15, 24, ? and II. 2, 5, 10, 17, 26
The pattern in each one of I and II is + 3, + 5, + 7, + 9, ....
So, missing term = 24 + 11 = 35.

Q. 70  5, 27, 61, 122, 213, 340, 509

- [A] 27
- [B] 61
- [C] 122
- [D] 509

Answer  Option [A]

**Explanation:**
The terms of the series are (2^3 - 3), (3^3 - 3), (4^3 - 3), (5^3 - 3), (6^3 - 3), (7^3 - 3), ..., (8^3 - 3).
So, 27 is wrong and must be replaced (3^3 - 3) i.e. 24.

Q. 71  2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?

- [A] 9
- [B] 10
- [C] 11
- [D] 12

Answer  Option [B]

**Explanation:**
The given sequence is a combination of three series:
I. 1st, 4th, 7th, 10th, 13th terms i.e. 2, 4, 6, 8, ?
II. 2nd, 5th, 8th, 11th terms i.e. 1, 4, 7, 10
III. 3rd, 6th, 9th, 12th terms i.e. 2, 5, 8, 11
Clearly, I consists of consecutive even numbers. So, the missing term is 10.

Q. 72  3, 15, ?, 63, 99, 143

- [A] 27
- [B] 35
- [C] 45
- [D] 56

Answer  Option [B]

**Explanation:**
The terms of the given series are \((2^2 - 1), (4^2 - 1), \ldots, (8^2 - 1), (10^2 - 1), (12^2 - 1)\).
So, missing term = \((6^2 - 1) - (36 - 1) = 35\).

Q. 73

**ATRIBUTIO, TTRIBUTIO, RIBUTIO, IBUTI, ?**

[A] IBU
[B] UT
[C] UTI
[D] BUT
[E] None of these

**Answer**
Option [C]

**Explanation:**
In the first step, one letter from the beginning and one from the end of a term are removed to give the next term. In the second step, two letters from the beginning of a term are removed. These two steps are repeated alternately.

Q. 74

**WFB, TGD, QHG, ?**

[A] NIJ
[B] NIK
[C] NJK
[D] OIK
[E] PJK

**Answer**
Option [B]

**Explanation:**

Q. 75

**GH, JL, NQ, SW, YD, ?**

[A] EJ
[B] FJ
[C] EL
[D] FL

**Answer**
Option [D]

**Explanation:**

Q. 76

**7, 26, 63, 124, 215, 342, ?**

[A] 391
[B] 421
[C] 481
[D] 511
Answer  Option [D]

Explanation:
The terms of the given series are \((2^3 - 1), (3^3 - 1), (4^3 - 1), (5^3 - 1), (6^3 - 1), (7^3 - 1), \ldots\)
So, missing term = \((8^3 - 1) = (512 - 1) = 511\).

Q. 77  c _ b b b _ _ a b b b _ _ a b b _

[A]  aacbb
[B]  abccbb
[C]  abacbb
[D]  baebb

Answer  Option [B]

Explanation:
The series is \(cabbbb/cabbbb/cabbbb\). Thus, the pattern ‘cabbbb’ is repeated.

Q. 78  1, 2, 4, 8, 16, 32, 64, 96

[A]  4
[B]  32
[C]  64
[D]  96

Answer  Option [D]

Explanation:
Each term of the series is obtained by multiplying the preceding term by 2.
So, 96 is wrong and must be replaced by \((64 \times 2)\) i.e. 128.

Q. 79  b e d f ? h j ? l

[A]  i m
[B]  m i
[C]  i n
[D]  j m

Answer  Option [A]

Explanation:
The series may be divided into groups as shown:
\(b e d / f ? h / j ? l\)
Clearly in the first group, the second and third letters are respectively three and two steps ahead of the first letter.
A similar pattern would follow in the second and third groups.

Q. 80  66, 36, 18, ?

[A]  3
[B]  6
[C]  8
[D]  9
Q. 81  \[ a \_ n \_ b \_ n \_ c b \_ n \_ c b \]

[A] abbcbe
[B] abebbe
[C] babcab
[D] bcabab

Answer Option [D]

**Explanation:**
The series is abncb/abncb/abncb. Thus, the pattern 'abncb' is repeated.

Q. 82  \[2, 5, 10, 17, 26, 37, 50, 64\]

[A] 17
[B] 26
[C] 37
[D] 64

Answer Option [D]

**Explanation:**
The terms of the series are \((1^2 + 1), (2^2 + 1), (3^2 + 1), (4^2 + 1), (5^2 + 1), (6^2 + 1), (7^2 + 1),\ldots\)
So, 64 is wrong and must be replaced by \((8^2 + 1)\) i.e. 65.

Q. 83  \[2, 3, 5, 10, 13, ?, 43, 172, 177\]

[A] 23
[B] 38
[C] 39
[D] 40

Answer Option [C]

**Explanation:**
The pattern is + 1, x 1, + 2, x 2, + 3, x 3, + 4, x 4, + 5.
So, missing term = 13 x 3 = 39.

Q. 84  \[3, 9, 15, \ldots\] what will be the 21st term?

[A] 117
[B] 121
[C] 123
[D] 129

Answer Option [C]

**Explanation:**
Each term in the series is the product of the digits of the preceding term.
So, missing term = 1 x 8 = 8.
**Q. 85**

8, 14, 26, 48, 98, 194, 386

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<tbody>
<tr>
<td>A</td>
<td>14</td>
<td>B</td>
<td>48</td>
<td>C</td>
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</table>

**Answer** Option [B]

**Explanation:**
The correct pattern is $x^2 - 2$.
So, 48 is wrong and must be replaced by $(26 \times 2 - 2)$ i.e. 50.

---

**Q. 86**

6, 13, 28, 59, ?

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<tbody>
<tr>
<td>A</td>
<td>111</td>
<td>B</td>
<td>113</td>
<td>C</td>
</tr>
</tbody>
</table>

**Answer** Option [D]

**Explanation:**
The pattern is $x^2 + 1, x^2 + 2, x^2 + 3, ....$
So, missing term = $59 \times 2 + 4 = 122$.

---

**Q. 87**

0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

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<tr>
<td>A</td>
<td>18</td>
<td>B</td>
<td>24</td>
<td>C</td>
</tr>
</tbody>
</table>

**Answer** Option [A]

**Explanation:**
The given sequence is a combination of two series:
I. 0, 3, 8, 15, 24, 35 and II. 2, 5, 10, 18, 26
The pattern in both I and II is + 3, + 5, + 7, + 9, ....
So, in II, 18 is wrong and must be replaced by $(10 + 7)$ i.e. 17.

---

**Q. 88**

1, 9, 25, 49, ? , 121

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<tbody>
<tr>
<td>A</td>
<td>64</td>
<td>B</td>
<td>81</td>
<td>C</td>
</tr>
</tbody>
</table>
Q. 89 8, 28, 116, 584, ?

[A] 1752
[B] 3502
[C] 3504
[D] 3508

Answer Option [D]

Explanation: The pattern is \( x \times 3 + 4, x \times 4 + 4, x \times 5 + 4, \ldots \). So, missing term = \( 584 \times 6 + 4 = 3508 \).

Q. 90 1, 5, 14, 30, 55, 91, ?

[A] 130
[B] 140
[C] 150
[D] 160

Answer Option [B]

Explanation: The pattern is + 4, + 9, + 16, + 25, + 36, \ldots \). So, missing term = \( 91 + 7^2 = 91 + 49 = 140 \).

Q. 91 R, U, X, A, D, ?

[A] F
[B] G
[C] H
[D] I

Answer Option [B]

Explanation:

Q. 92 10, 14, 26, 42, 70, ?

[A] 100
[B] 102
[C] 106
Q. 93  DHL, PTX, BFJ, ?

[A] CGK  
[B] KOS  
[C] NRV  
[D] RVZ

Answer  Option [C]

Explanation:  
Each term in the series, except the first two terms, is 2 more than the sum of the preceding two terms. 
So, missing term = (42 + 70) + 2 = 114.

Q. 94  2, 8, 16, 128, ?

[A] 2042  
[B] 2046  
[C] 2048  
[D] 2056

Answer  Option [C]

Explanation:  
Each term in the series, except the first two terms, is the product of the preceding two terms. 
So, missing term = 16 x 128 = 2048.

Q. 95  2, 3, 8, 27, 112, ?

[A] 226  
[B] 339  
[C] 452  
[D] 565

Answer  Option [D]

Explanation:  
The pattern is x 1 + 1, x 2 + 2, x 3 + 3, x 4 + 4,..... 
So, missing term = 112 x 5 + 5 = 565.

Q. 96  2, 7, 27, 107, 427, ?

[A] 1262  
[B] 1707  
[C] 4027  
[D] 4207
### Q. 97

\[ 5, 6, 9, 15, ?, 40 \]

- **[A]** 21
- **[B]** 25
- **[C]** 27
- **[D]** 33

**Answer** Option [B]

**Explanation:**
The pattern is + 1, + 3, + 6, ...... i.e. + 1, + (1 + 2), + (1 + 2 + 3), ......
So, missing term = 15 + (1 + 2 + 3 + 4) = 25.

### Q. 98

\[ 1, 5, 9, 7, 11, 15, 12, 17 \]

- **[A]** 11
- **[B]** 12
- **[C]** 17
- **[D]** 15

**Answer** Option [B]

**Explanation:**
The given sequence is a combination of two series:
I. 1, 5, 7, 11, 12 and II. 5, 9, 11, 15, 17
The pattern in both I and II is + 4, + 2, + 4, + 2. So, 12 is wrong and must be replaced by (11 + 2) i.e. 13.

### Q. 99

\[ ba \_ cb \_ b \_ bab \_ \]

- **[A]** acbb
- **[B]** bacc
- **[C]** bcaa
- **[D]** cabb

**Answer** Option [B]

**Explanation:**
The series is babc/babc/babc. Thus, the pattern 'babc' is repeated.

### Q. 100

\[ 4, 9, 25, ?, 121, 169, 289, 361 \]

- **[A]** 49
- **[B]** 64
- **[C]** 81
- **[D]** 87
**Answer** Option [A]

**Explanation:**
The given series consists of squares of consecutive prime numbers
i.e. \(2^2, 3^2, 5^2\), ...
11, 13, 17, 19.
So, missing term = \(7^2 = 49\).

---

**Q. 101**
8, 9, 8, 7, 10, 9, 6, 11, ?, 12

[A] 5  
[B] 7  
[C] 8  
[D] 11

**Answer** Option [A]

**Explanation:**
The given sequence is a combination of three series:
I. 1st, 4th, 7th, 10th terms i.e. 8, 7, 6, ?
II. 2nd, 5th, 8th, 11th terms i.e. 9, 10, 11, 12
III. 3rd, 6th, 9th terms i.e. 8, 9, 10  
The pattern in I is - 1.
So, missing term = 6 - 1 = 5.

---

**Q. 102**
9, 27, 31, 155, 161, 1127, ?

[A] 316  
[B] 1135  
[C] 1288  
[D] 2254

**Answer** Option [B]

**Explanation:**
The pattern is \(x \times 3, + 4, \times 5, + 6, \times 7, \ldots\)
So, missing term = \(1127 + 8 = 1135\).

---

**Q. 103**
Z, U, Q, ?, L

[A] I  
[B] K  
[C] M  
[D] N

**Answer** Option [D]

**Explanation:**

---

**Q. 104**
325, 259, 204, 160, 127, 105, ?

[A] 94  
[B] 96
Answer: Option [A]

**Explanation:**
The pattern is - 66, - 55, - 44, - 33, - 22, ..... 
So, missing term = 105 - 11 = 94.

---

Q. 105  589654237, 89654237, 8965423, 965423, ?

[A] 58965
[B] 65423
[C] 89654
[D] 96542

Answer: Option [D]

**Explanation:**
The digits are removed one by one from the beginning and the end in order alternately so as to obtain the subsequent terms of the series.

---

Q. 106  ac_ cab_ baca_ aba_ acac

[A] aacb
[B] aebe
[C] babb
[D] bcbb

Answer: Option [A]

**Explanation:**
The series is ac/ab/aba/acac. Thus, the pattern acac/abab is repeated.

---

Q. 107  2, 15, 41, 80, ?

[A] 111
[B] 120
[C] 121
[D] 132

Answer: Option [D]

**Explanation:**
The pattern is + 13, + 26, + 39, ..... 
So, missing term = 80 + 52 = 132.

---

Q. 108  _bcc_ _ac_ _aabb_ _ab_ _cc

[A] aabca
[B] abaca
[C] bacab
[D] bcaca

Answer Option [C]

Explanation:
The series is bbbcaacbaa/bccbaa/aabbbcc. Thus, the letter pairs move in a cyclic order.

Q. 109 A, D, H, M, ?, Z

[A] T
[B] G
[C] N
[D] S

Answer Option [D]

Explanation:

Q. 110 28, 33, 31, 36, ?, 39

[A] 32
[B] 34
[C] 38
[D] 40

Answer Option [B]

Explanation:
The pattern is + 5, - 2, + 5, - 2,.....
So, missing term = 36 - 2 = 34.

Q. 111 U, B, I, P, W, ?

[A] D
[B] F
[C] Q
[D] Z

Answer Option [A]

Explanation:

Q. 112 abca _ bcaab _ ca _ bbc _ a

[A] ccaa
[B] bbba
[C] abac
[D] abba
Q. 113  B, D, F, I, L, P, ?

[A]  R  
[B]  S  
[C]  T  
[D]  U

Answer  Option [C]

**Explanation:**
The series is abc/aabc/aabbc/aabcc/a.

Q. 114  1, 5, 13, 25, 41, ?

[A]  51  
[B]  57  
[C]  61  
[D]  63

Answer  Option [C]

**Explanation:**
The pattern is + 4, + 8, + 12, + 16......
So, missing term = 41 + 20 = 61.

Q. 115  ajs, gpy, ?, sbk, yhq

[A]  dmv  
[B]  mve  
[C]  oua  
[D]  qzi

Answer  Option [B]

**Explanation:**

Q. 116  121, 143, 165, 186, 209

[A]  143  
[B]  165  
[C]  186  
[D]  209

Answer  Option [C]

**Explanation:**
Each term in the series is obtained by adding 22 to the preceding term.
So, 186 is wrong and must be replaced by \((165 + 22)\) i.e. 187.

Q. 117  6, 11, 21, 36, 56, ?

[A] 42
[B] 51
[C] 81
[D] 91

Answer Option [C]

**Explanation:**
The pattern is + 5, + 10, + 15, + 20, ...
So, missing term = 56 + 25 = 81.

Q. 118  22, 24, 28, ?, 52, 84

[A] 36
[B] 38
[C] 42
[D] 46

Answer Option [A]

**Explanation:**
The pattern is + 2, + 4, + 8, + 16, ....
So, missing term = 28 + 8 = 36.

Q. 119  4832, 5840, 6848, ?

[A] 7815
[B] 7846
[C] 7856
[D] 7887

Answer Option [C]

**Explanation:**
The pattern is + 1008.
So, missing term - 6848 + 1008 = 7856.

Q. 120  56, 58, 62, 70, 84, 118, 182

[A] 58
[B] 62
[C] 84
[D] 118

Answer Option [C]

**Explanation:**
The correct pattern is + 2, + 4, + 8, + 16, + 32, + 64 i.e. + 2, + 2^2, + 2^3, + 2^4, + 2^5, + 2^6.
Q. 121 \textbf{Which term of the series 5, 10, 20, ..... is 1280?} 

[A] 10th  
[B] 9th  
[C] 8th  
[D] None of these  

\textbf{Answer} Option [B]  

\textbf{Explanation:}  
Clearly, $5 \times 2 = 10$, $10 \times 2 = 20$, $20 \times 2 = 40$.....  
So, the series is a G.P. in which $a = 5$ and $r = 2$.  
Let 1280 be the $r$th term of the series.  
Then, $5 \times 2^{n-1} = 1280 \iff 2^{n-1} = 256 \iff n - 1 = 8 \iff n = 9$.  

---

Q. 122 \textbf{In the series 2, 6, 18, 54, ..... what will be the 8th term ?}  

[A] 4370  
[B] 4374  
[C] 7443  
[D] 7434  

\textbf{Answer} Option [B]  

\textbf{Explanation:}  
Clearly, $2 \times 3 = 6$, $6 \times 3 = 18$, $18 \times 3 = 54$.....  
So, the series is a G.P. in which $a = 2$, $r = 3$.  
Therefore 8th term $= ar^{7} = 2 \times 3^7 = (2 \times 2187) = 4374$.  

---

Q. 123 \textbf{a _ bbc _ aab _ cca _ bbcc}  

[A] bacb  
[B] acba  
[C] abba  
[D] caba  

\textbf{Answer} Option [B]  

\textbf{Explanation:}  
The series is a \textit{aabbcc/aabbbc/aabbbc}. Thus, the pattern ‘aabbcc’ is repeated.  

---

Q. 124 \textbf{AB, DEF, HIJK, ?, STUWX}  

[A] LMNO  
[B] LMNOP  
[C] MNOPQ  
[D] QRSTU  

\textbf{Answer} Option [C]  

---

So, 84 is wrong and must be replaced by $(70 + 16)$ i.e. 86.
**Explanation:**
The number of letters in the terms of the given series increases by one at each step. The first letter of each term is two steps ahead of the last letter of the preceding term. However, each term consists of consecutive letters in order.

<table>
<thead>
<tr>
<th>Q. 125</th>
<th>Z, S, W, O, T, K, Q, G, ?, ?</th>
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</thead>
<tbody>
<tr>
<td>[A]</td>
<td>N, C</td>
</tr>
<tr>
<td>[B]</td>
<td>N, D</td>
</tr>
<tr>
<td>[C]</td>
<td>O, C</td>
</tr>
<tr>
<td>[D]</td>
<td>O, D</td>
</tr>
</tbody>
</table>

**Answer** Option [A]

**Explanation:**
The given sequence is a combination of two series:
I. Z, W, T, Q, ? and II. S, O, k, G, ?

<table>
<thead>
<tr>
<th>Q. 126</th>
<th>A, B, B, D, C, F, D; H, E, ?, ?</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A]</td>
<td>E, F</td>
</tr>
<tr>
<td>[B]</td>
<td>F, G</td>
</tr>
<tr>
<td>[C]</td>
<td>F, I</td>
</tr>
<tr>
<td>[D]</td>
<td>J, F</td>
</tr>
<tr>
<td>[E]</td>
<td>J, K</td>
</tr>
</tbody>
</table>

**Answer** Option [D]

**Explanation:**
The given sequence is a combination of two series:
I. 1st, 3rd, 5th, 7th, 9th, 11th terms i.e. A, B, C, D, E, ? II. 2nd, 4th, 6th, 8th, 10th terms i.e. B, D, F, H, ?
Clearly, I consists of consecutive letters while II consists of alternate letters. So, the missing letter in I is F, while that in II is J. So, the missing terms i.e. 10th and 11th terms are J and F respectively.

<table>
<thead>
<tr>
<th>Q. 127</th>
<th>5, 10, 40, 80, 320, 550, 2560</th>
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<tbody>
<tr>
<td>[A]</td>
<td>80</td>
</tr>
<tr>
<td>[B]</td>
<td>320</td>
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<tr>
<td>[C]</td>
<td>550</td>
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<tr>
<td>[D]</td>
<td>2560</td>
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**Answer** Option [C]

**Explanation:**
The correct pattern is x 2, x 4, x 2, x 4, ....
So, 550 is wrong and must be replaced by (320 x 2) i.e. 640.

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<tbody>
<tr>
<td>[A]</td>
<td>W, Q, K, E</td>
</tr>
</tbody>
</table>
Q. 129 4, 10, ?, 82, 244, 730

[A] 24
[B] 28
[C] 77
[D] 218

Answer Option [B]  
Explanation:  
Each number in the series is 2 less than thrice the preceding number.  
So, missing number = (10 x 3) - 2 = 28.

Q. 130 120, 99, 80, 63, 48, ?

[A] 35
[B] 38
[C] 39
[D] 40

Answer Option [A]  
Explanation:  
The pattern is - 21, - 19, - 17, - 15,....  
So, missing term = 48 - 13 = 35.

Q. 131 cccc bb _ aa _ cc _ bbb _ a

[A] aebe
[B] baca
[C] baba
[D] acba

Answer Option [B]  
Explanation:  
The series is ccc bb baa cc bbb aa/a. Thus, the pattern ccc bb baa is repeated.

Q. 132 13, 35, 57, 79, 911, ?

[A] 1110
[B] 1112
[C] 1113
Answer: Option [C]

Explanation:
The terms of the given series are numbers formed by joining together consecutive odd numbers in order i.e. 1 and 3, 3 and 5, 5 and 7, 7 and 9, 9 and 11, ..... 
So, missing term = number formed by joining 11 and 13 = 1113.

Q. 133 3, 10, 101, ?

[A] 10101
[B] 10201
[C] 10202
[D] 11012

Answer: Option [C]

Explanation:
Each term in the series is obtained by adding 1 to the square of the preceding term.
So, missing term = (101)^2 + 1 = 10202.

Q. 134 1, 4, 10, 22, 46, ?

[A] 64
[B] 86
[C] 94
[D] 122

Answer: Option [C]

Explanation:
The pattern is + 3, + 6, + 12, + 24,.....
So, missing term = 46 + 48 = 94.

Q. 135 1, 2, 3, 6, 9, 18, ?, 54

[A] 18
[B] 27
[C] 36
[D] 81

Answer: Option [B]

Explanation:
The pattern is x 2, x 3/2, x 2, x 3/2, x 2,.....
So, missing term = 18 x 3/2 = 27.

Q. 136 1, 3, 12, 25, 48

[A] 3
[B] 12
[C] 25
Answer Option [C]

Explanation:
The terms of the series are \((l^2 - 0^2), (2^2 - l^2), (4^2 - 2^2), (6^2 - 3^2)\) and \((8^2 - 4^2)\).
So, 25 is wrong and must be replaced by \((6^2 - 3^2)\) i.e. 27.

Q. 137 T, R, P, N, L, ?, ?

[A] J, G  
[B] J, H  
[C] K, H  
[D] K, I

Answer Option [B]

Explanation:

Q. 138 325, 259, 202, 160, 127, 105, 94

[A] 94  
[B] 127  
[C] 202  
[D] 259

Answer Option [C]

Explanation:
The correct pattern is - 66, - 55, - 44, - 33, - 22, - 11.
So, 202 is wrong and must be replaced by \((259 - 55)\) i.e. 204.

Q. 139 2, 6, 24, 96, 285, 568, 567

[A] 6  
[B] 24  
[C] 285  
[D] 567

Answer Option [B]

Explanation:
The correct pattern is \(x \times 6 - 6, x \times 5 - 5, x \times 4 - 4, \ldots\)
So, 24 is wrong and must be replaced by \((6 \times 5 - 5)\) i.e. 25.

Q. 140 3, 4, 10, 32, 136, 685, 4116

[A] 10  
[B] 32  
[C] 136
Q. 141 45, 54, 47, ?, 49, 56, 57, 53

[A] 48
[B] 50
[C] 55
[D] None of these

Answer Option [C]

Explanation: The given sequence is a combination of two series: I. 45, 47, 49, 51, 53 and II. 54, ?, 56, 57
Clearly, II consists of consecutive natural numbers, starting from 54.
So, missing term = 55.

Q. 142 4, 12, 36, 108, ?

[A] 144
[B] 216
[C] 304
[D] 324

Answer Option [D]

Explanation: The pattern is x 3.
So, missing term = 108 x 3 = 324.

Q. 143 11, 13, 17, 19, 23, 25, ?

[A] 26
[B] 27
[C] 29
[D] 37

Answer Option [C]

Explanation: The pattern is + 2, + 4, + 2, + 4, ..... 
So, missing term = 25 + 4 = 29.

Q. 144 20, 20, 19, 16, 17, 13, 14, 11, ?, ?

[A] 10, 10
[B] 10, 11

Answer Option [B]

Explanation: The correct pattern is x 1 + 1, x 2 + 2, x 3 + 3, x 4 + 4, ..... 
So, 32 is wrong and must be replaced by (10 x 3 + 3) i.e. 33.
Answer Option [A]

Explanation:
Let the missing terms of the series be \(x_1\) and \(x_2\).
Thus, the sequence 20, 20, 19, 16, 17, 13, 14, 11, \(x_1\) \(x_2\) is a combination of two series:
I. 20, 19, 17, 14, \(x_1\) and II. 20, 16, 13, 11, \(x_2\)
The pattern in I is - 1, - 2, - 3,……So, missing term, \(x_1 = 14 - 4 = 10\).
The pattern in II is - 4, - 3, - 2,……So, missing term, \(x_2 = 11 - 1 = 10\).

Q. 145 ejo tyd ins xch ?
[A] nrw
[B] mrw
[C] msx
[D] nsx
[E] nsw

Answer Option [B]

Explanation:
There is a gap of four letters between the first and second, the second and third letters of each term, and also between the last letter of a term and the first letter of the next term.

Q. 146 Z, X, S, I, R, R, ?, ?
[A] G,I
[B] J, I
[C] J,K
[D] K,M

Answer Option [A]

Explanation:
Note that the numbers representing the difference between the consecutive terms of the series again from a series - 2, 5, 10, 17, 26, 37, 50 - in which the pattern is +3, +5, +7, +9, +11, +13.

Q. 147 10, 26, 74, 218, 654, 1946, 5834
[A] 26
[B] 74
[C] 218
[D] 654

Answer Option [D]

Explanation:
The correct pattern is x 3 - 4.
So, 654 is wrong and must be replaced by (218 x 3 - 4) i.e. 650.
Q. 148  AYZBC, DWEXF, GUHVI, JSKTL, ?

[A] MQORN  
[B] MQNRO  
[C] NQMOR  
[D] QMONR

Answer  Option [B]  
Explanation: 

Q. 149  _ bbc _ bcca _ ac _ a _ cb

[A] abeba  
[B] acbab  
[C] bacab  
[D] bcaajb

Answer  Option [B]  
Explanation: 
The series is abbc/ac/bcca/ba/caab/cb.

Q. 150  125, 126, 124, 127, 123, 129

[A] 126  
[B] 124  
[C] 123  
[D] 129

Answer  Option [D]  
Explanation:  
The correct pattern is + 1, - 2, + 3, - 4, + 5.  
So, 129 is wrong and must be replaced by (123 + 5) i.e. 128.

Q. 151  11, 5, 20, 12, 40, 26, 74, 54

[A] 5  
[B] 20  
[C] 40  
[D] 26

Answer  Option [C]  
Explanation:  
The given sequence is a combination of two series:  
I. 11, 20, 40, 74 and II. 5, 12, 26, 54  
The correct pattern in I is + 9, + 18, + 36,...  
So, 40 is wrong and must be replaced by (20 + 18) i.e. 38.
Q. 152  **625, 5, 125, 25, 25, ?, 5**

[A] 5

[B] 25

[C] 125

[D] 625

**Answer** Option [C]

**Explanation:**
The given sequence is a combination of two series:
I. 625, 125, 25, 5 and II. 5, 25, ?
The pattern in I is ÷ 5, while that in II is x 5. So, missing term = 25 x 5 = 125.

---

Q. 153  **4, 10, 22, 46, 96, 190, 382**

[A] 4

[B] 10

[C] 96

[D] 382

**Answer** Option [C]

**Explanation:**
The correct pattern is + 6, + 12, + 24, + 48, + 96, + 192.
So, 96 is wrong and must be replaced by (46 + 48) i.e. 94.

---

Q. 154  **48, 24, 96, 48, 192, ?**

[A] 76

[B] 90

[C] 96

[D] 98

**Answer** Option [C]

**Explanation:**
The pattern is ÷ 2, x 4, ÷ 2, x 4, ....
So, missing term = 192 ÷ 2 = 96.

---

Q. 155  **10, 14, 28, 32, 64, 68, 132**

[A] 28

[B] 32

[C] 64

[D] 132

**Answer** Option [D]

**Explanation:**
The correct pattern is + 4, x 2, + 4, x 2, ..... 
So, 132 is wrong and must be replaced by (68 x 2) i.e. 136.
Q. 156  In the series 10, 17, 24, 31, 38,.....which of the following will be a number of the series ?

[A] 48  
[B] 346  
[C] 574  
[D] 1003

Answer  Option [B]  

Explanation:  
The given series consists of numbers each of which, on dividing by 7, leaves a remainder 3. No other number except 346 satisfies the property.

Q. 157  AYD, BVF, DRH, ?, KGL

[A] FMI  
[B] GMJ  
[C] GLJ  
[D] HLK

Answer  Option [B]  

Explanation:  

Q. 158  3, 12, 27, 48, 75, 108,?

[A] 147  
[B] 162  
[C] 183  
[D] 192

Answer  Option [A]  

Explanation:  The terms of the given series are $3 \times l^2$, $3 \times 2^2$, $3 \times 3^2$, $3 \times 4^2$, $3 \times 5^2$, $3 \times 6^2$,...
So, missing term $= 3 \times 7^2 = 3 \times 49 = 147$.

Q. 159  2, 2, 5, 13, 28,?

[A] 49  
[B] 50  
[C] 51  
[D] 52

Answer  Option [D]  

Explanation:  The pattern is + 0, + 3, + 8, + 15, ... i.e. + (l^2 - 1), + (2^2 - 1), + (3^2 - 1), + (4^2 - 1), ...  So, missing term $= 28 + (5^2 - 1) = 28 + 24 = 52$. 
Q. 160  
**ab__d__aaba__na__badna__b**

[A] andaa  
[B] babda  
[C] badna  
[D] dbanb

**Answer**  
Option [A]

**Explanation:**  
The series is abadna/abadna/abadna/ab. Thus, the pattern 'abadna' is repeated.

---

Q. 161  
11, 10, ?, 100, 1001, 1000, 10001

[A] 101  
[B] 110  
[C] 111  
[D] None of these

**Answer**  
Option [A]

**Explanation:**  
The pattern is \( -1, x \times 10 + 1, -1, x \times 10 + 1, -1, x \times 10 + 1, \ldots \)  
So, missing term = \( 10 \times 10 + 1 = 101 \).

---

Q. 162  
Y, B, T, G, O, ?

[A] N  
[B] M  
[C] L  
[D] K

**Answer**  
Option [C]

**Explanation:**  
The given sequence is a combination of two series:  
I, Y, T, O and II, B, G, ?  
I consists of 2nd, 7th and 12th letters from the end of the English alphabet, while  
II consists of 2nd, 7th and 12th letters from the beginning of the English alphabet.  
So, the missing letter in II is the 12th letter from the beginning of the English alphabet, which is L.

---

Q. 163  
2, 15, 4, 12, 6, 7, ?, ?

[A] 8, 8  
[B] 8, 0  
[C] 3, 8  
[D] None of these

**Answer**  
Option [B]

**Explanation:**  
Let the missing terms of the series be \( x_1 \) and \( x_2 \).  
Thus, the sequence 2, 15, 4, 12, 6, 7, \( x_1 \), \( x_2 \) is a combination of two series:
I. 2, 4, 6, \(x_1\) and II. 15, 12, 7, \(x_2\) consists of consecutive even numbers.
So, missing term, \(x_1 = 8\).
The pattern in II is -3, -5, ... So, missing term, \(x_2 = 7 - 7 = 0\).

### Q. 164

<table>
<thead>
<tr>
<th>10, 18, 28, 40, 54, 70, ?</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] 85</td>
</tr>
<tr>
<td>[B] 86</td>
</tr>
<tr>
<td>[C] 87</td>
</tr>
<tr>
<td>[D] 88</td>
</tr>
</tbody>
</table>

**Answer** Option [D]

**Explanation:**
The pattern is \(+8, +10, +12, +14, .....\)
So, missing term = 70 + 18 = 88.

### Q. 165

<table>
<thead>
<tr>
<th>240, ?, 120, 40, 10, 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] 180</td>
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<tr>
<td>[B] 240</td>
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<td>[C] 420</td>
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<tr>
<td>[D] 480</td>
</tr>
</tbody>
</table>

**Answer** Option [B]

**Explanation:**
The pattern is \(÷1, ÷2, ÷3, ÷4, ÷5\).
So, missing term = 240 ÷ 1 = 240.

### Q. 166

<table>
<thead>
<tr>
<th>6, 17, 39, 72, ?</th>
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</thead>
<tbody>
<tr>
<td>[A] 83</td>
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<tr>
<td>[B] 94</td>
</tr>
<tr>
<td>[C] 116</td>
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<tr>
<td>[D] 127</td>
</tr>
</tbody>
</table>

**Answer** Option [C]

**Explanation:**
The pattern is \(+11, +22, +33, .....\)
So, missing term = 72 + 44 = 116.

### Q. 167

<table>
<thead>
<tr>
<th>105, 85, 60, 30, 0, -45, -90</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] 105</td>
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<tr>
<td>[B] 60</td>
</tr>
<tr>
<td>[C] 0</td>
</tr>
<tr>
<td>[D] -45</td>
</tr>
</tbody>
</table>

**Answer** Option [C]
**Explanation:**
The correct pattern is - 20, - 25, - 30.....
So, 0 is wrong and must be replaced by (30 - 35) i.e. - 5.

---

**Q. 168**

The series is bca/bcaa/bcaa. Thus, the pattern 'bcaa' is repeated.

**Q. 169**

The correct pattern is - 11, + 9, - 7, + 5, - 3, + 1.
So, 86 is wrong and must be replaced by (78 + 9) i.e. 87.

**Q. 170**

The pattern is + 3, + 4, + 5, + 6.....
So, missing term = 9 + 5 = 14.

**Q. 171**

The pattern is + 3, + 4, + 5, + 6,.....
So, missing term = 27 + 6 = 33.
The sum of any three consecutive terms of the series gives the next term.
So, missing number = \(8 + 15 + 27 = 50\).

Q. 172

3, 4, 7, 7, 13, 13, 21, 22, 31, 34, ?

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<td></td>
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<tr>
<td>[B]</td>
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<td>[C]</td>
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<tr>
<td>[D]</td>
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</tbody>
</table>

Answer: Option [B]

**Explanation:**
The given sequence is a combination of two series:
I. 3, 7, 13, 21, 31, ? and II. 4, 7, 13, 22, 34
The pattern in I is + 4, + 6, + 8, + 10,......
The pattern in II is + 3, + 6, + 9, + 12,......
So, missing term = 31 + 12 = 43.

Q. 173

AI, BJ, CK, ?

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<td>[A]</td>
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<td>[B]</td>
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<td>[C]</td>
<td>GH</td>
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<tr>
<td>[D]</td>
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</table>

Answer: Option [A]

**Explanation:**

Q. 174

bc _ ca _ aba _ c _ ca

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</thead>
<tbody>
<tr>
<td>[A]</td>
<td>abcb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[B]</td>
<td>bbec</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[C]</td>
<td>bacba</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[D]</td>
<td>abbec</td>
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</tbody>
</table>

Answer: Option [A]

**Explanation:**
The series is abc/bca/gab/abc/bca, Thus, the letters change places in a cyclic order.

Q. 175

16, 22, 30, 45, 52, 66

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<td>[A]</td>
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<tr>
<td>[B]</td>
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<tr>
<td>[C]</td>
<td>52</td>
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<tr>
<td>[D]</td>
<td>66</td>
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</tbody>
</table>

Answer: Option [B]
Explaination:
The correct pattern is + 6, + 8, + 10, + 12, + 14.
So, 45 is wrong and must be replaced by (30 + 10) i.e. 40.