Alphanumeric Series Questions and Answers

Directions (Q1 - Q4): Based on the series given below, answer the following questions:
H # K O & L $ % X I A V E @ ? D + F M

Q 1. How many symbols in the given series are immediately preceded by a vowel?
1. One
2. Two
3. Three
4. Four
5. Five

Answer: (2) Two
Solution: & is preceded by O and @ is preceded by E

Q 2. Which is the seventh element from the left of the 15th element from left?
1. A
2. $
3. %
4. D
5. ?

Answer: (3) %
Solution: 15th element from the left end of the row is ? and the 7th element to its left is %

Q 3. How many such consonants are there in the given series, each of which is immediately preceded by a vowel and succeeded by a symbol?
1. Four
2. Six
3. None
4. One
5. Two

Answer: (3) None

Q 4. Which element is placed 4th to the right of 11th element from left?
1. D
2. +
3. #
4. ?
5. X

Answer: (4) ?
Solution: 11th element from the left end of the line is A and the fourth element to the right of A is “?”

Directions (Q5 - Q9): Study the series given below carefully and answer the following questions:
Q 2 K 4 * $ B K + D 5 1 F & R $ O ^ C

Q 5. If all the symbols in the series are removed, which element will be sixth from the right end of the series?

1. 5
2. R
3. K
4. +
5. B

Answer: (1) 5
Solution: When all the symbols are removed, and we start counting from the right end, i.e., from “C”, the sixth element is “5”

Q 6. How many symbols are there in between the first vowel from left and the first consonant from the right end of the series?

1. Two
2. Four
3. Three
4. One
5. None of the above

Answer: (4) One
Solution: The first vowel from left end of the series is “O” and the first consonant from the right end of the series is “C”. There is only 1 symbol “^” between these two elements

Q 7. How many such symbols are there in the given series which are immediately preceded by a symbol and followed by a consonant?

1. Two
2. Three
3. One
4. None
5. None of the above

Answer: (1) One
Solution: $ is immediately preceded by * and followed by B

Q 8. Which element is second to the right of the fifth element from the left of the series?

1. F
2. K
3. #

4. +
5. B

Answer: (5) B

Solution: The fifth element from the left is * and second element to its right is B

Q 9. What is the product of all the numbers given in the alphanumeric series?

1. 45
2. 50
3. 40
4. 12
5. 60

Answer: (3) 40

Solution: Sum of all the numbers in the series = 2×4×5×1 = 40

Directions (Q10 - Q14): In each of the alphanumeric series given below, find the missing element

Q 10.

A-9 B-16 ? D-36 E-49

1. C-26
2. C-30
3. C-27
4. C-25
5. C-33

Answer: (4) C-25

Solution:

A-9 = A-3^2

B-16 = B-4^2

C-25 = C-5^2

D-36 = D-6^2

E-49 = E-7^2

Q 11.

Z-12 X-8 ? T-0 R-8

1. V-6
2. V-4
3. V-10
4. V-0
5. V-14

Answer: (2) V-4

Solution:

For the alphabets, Z(-2) Y(-2) V(-2) T(-2) R(-2)

For numbers, the pattern is given below,
Z-12 ⇒ Z is the 26th alphabet. So, 2×6 = 12
X-8 ⇒ X is the 24th alphabet. So 2×4 = 8
V-4 ⇒ V is the 22nd alphabet. So, 2×2 = 4
T-0 ⇒ T is the 20th alphabet. So, 2×0 = 0
R-8 ⇒ R is the 18th alphabet. So, 1×8 = 8

Q 12.
P-1 ? R-27 S-256 T-3125
1. Q-5
2. Q-2
3. Q-6
4. Q-30
5. Q-22

Answer: (2) Q-2
Solution:
P-1 = $P\text{-}1^1$
Q-4 = $Q\text{-}2^2$
R-27 = $R\text{-}3^3$
S-256 = $S\text{-}4^4$
T-3125 = $T\text{-}5^5$

Q 13.
? G-4 H-6 I-8 J-10
1. F-2
2. F-1
3. F-0
4. F-4
5. F-10

Answer: (1) F-2
Solution:
F-2 = F-(2×1)
G-4 = G-(2×2)
H-6 = H-(2×3)
I-8 = I-(2×4)
J-10 = J-(2×5)

Q 14.
A-26 B-25 C-24 X-3 Y-2 ?
1. Z-5
2. Z-22

3. Z-26
4. Z-3
5. Z-1

Answer: (5) Z-1

Solution:

A-26 - first alphabet and the last number of alphabet
B-25- second alphabet and the second last number of alphabet
C-24- third alphabet and the third last number of alphabet
X-3 - third last alphabet and the third number
Y-2 - second last alphabet and the second number
Z-1 - last alphabet and the first number

Directions (Q15 - Q18): Refer to the number given below, and answer the following questions:
234 657 283 647 994

Q 15. If all the digits in each of the given numbers are arranged in ascending order within the number, which will be highest number thus formed?

1. 234
2. 657
3. 283
4. 647
5. 994

Answer: (2) 657

Solution:

After all the digits within each number is arranged in ascending order, the new numbers formed are:
234 - 234
657 - 567
283 - 238
647 - 467
994 - 499
From the numbers new-formed, the highest is 567. Thus, the answer is 657

Q 16. If the first and last digit of each number is interchanged with each other, which will be the smallest number thus formed?

1. 234
2. 994
3. 657
4. 647
5. 283

Answer: (5) 83

Solution:

After the first and last digits are interchanged, the new number formed are:
234 - 432
657 - 756
283 - 382
647 - 746
994 - 499
From the new number formed, the smallest number is 382. Thus, the answer is 283

Q 17. When all the digits in each number is multiplied with each other, the product of which of these numbers shall be the greatest?

1. 234
2. 657
3. 283
4. 647
5. 994

Answer: (5) 994
Solution:
234 = 2×3×4 = 24
657 = 6×5×7 = 210
283 = 2×8×3 = 48
647 = 6×4×7 = 168
994 = 9×9×4 = 324

Q 18. If the digit at one's place of the largest number is added to the digit at hundreds place of the smallest number. What will be the sum of the two numbers?

1. 12
2. 24
3. 35
4. 23
5. 13

Answer: (5) 13
Solution:
Smallest number = 234
The number at one's place is 4
Largest number = 994
The number at hundred's place = 9
Sum = 9+4 = 13

Directions (Q19 - Q22): Based on the alphanumeric series given below, answer the following questions:
4 G 7 * $ K $ L ? # L O @ E B + A I

Q 19. Which element is placed sixth to the right of the seventh element from left?

1. G
2. #
3. $
4. @
5. B

Answer: (4) @

Solution:

Seventh element from left is $ and sixth element to its right is @

Q 20. How many such vowels are there in the given series, each of which is followed by a consonant?

1. Two
2. Three
3. One
4. None
5. None of the above

Answer: (3) One

Solution: Only one consonant, which is B, follows the vowel E

Q 21. If all the symbols and vowels are eliminated from the series, which element shall be seventh from the right end of the series?

1. 7
2. 4
3. K
4. L
5. B

Answer: (2) 4

Q 22. Which element is fourth to the left of second element from right end of the series?

1. #
2. *
3. E
4. B
5. @

Answer: (5) @

Solution: The second element from the right end of the series is A and the fourth element to its left is @