

**5. Elements Series**

\$ @ A K 6 ? \* B U &lt; % 7 N 8 P #

**In the above series we can observe 3 kinds of elements**

- 1) Alphabets (or) letters - consonants - vowels
- 2) Numbers - Even - Odd
- 3) Symbols

**Questions in this topic are mainly related to either positions, logical relation or grouping based on positions.**

**\* Keep , after every five elements as counting becomes easy.**

Here are few things which you need to understand to solve these question fast.

- 1) left end is beginning of the series
- 2) Right end is the final elements side
- 3) A is preceded by B -----BA  
A is followed by B ----- AB  
A is preceding B -----AB  
A is following B ----- B A
- 4) Position with respect to ends

End	Directions	
Left	Left	(-)
Right	Right	(-)
Left	Right	(+)
Right	Left	(+)

**EX:** element which comes in place of 6<sup>th</sup> to right of 8<sup>th</sup> from left end means  $6 + 8 = 14^{\text{th}}$  from left end

**Ex:**element which comes in place 9<sup>th</sup> to the right of 16<sup>th</sup> from right end means  $16 - 9 = 7^{\text{th}}$  from right and

- 5) Position with respect to an element

Left	Left	(+)
Left	Right	(-)
Right	Left	(-)
Right	Right	(+)

6) When the series is written in reverse order left end becomes right end and vice versa.

So if the given series is written in reverse order which element comes in place of 8<sup>th</sup> to right of 19<sup>th</sup> from right end means  $19 - 8 = 11^{\text{th}}$  from right end in new series which is nothing but 11<sup>th</sup> from left end in the old series.

7) If 1<sup>st</sup> and 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> elements get interchanged and so on then 14<sup>th</sup> element gets interchanged with 13<sup>th</sup> not 15<sup>th</sup> as we can see odd position gets interchanged with next even position. Similarly if 1<sup>st</sup> with 20<sup>th</sup>, 2<sup>nd</sup> with 19<sup>th</sup>, 3<sup>rd</sup> with 18<sup>th</sup> and so on then 8<sup>th</sup> element gets interchange with 13<sup>th</sup> as we could see sum of numerical positions of the pair is 21.

### Exercise

**Directions (Q. 1-6):** Study the following arrangements carefully and answer the questions given below:

**F 4 © J 2 E % M P 5 W 9 @ i Q R 6 U H 3 Z 7 \* A T B 8 V # G \$ Y D**

- What should come in place of question mark? In the following series based on above arrangements? J E M 59i R U 3?
  - 7 A B
  - 7 A T
  - \* 78
  - A B V
  - None of these
- How many such consonants are there in the above arrangement, each of which is immediately preceded by a number but not immediately followed by a number?
  - None
  - One
  - Two
  - Three
  - More than three
- Which of the following is the tenth to the right of the nineteenth from the right end of the above arrangement?
  - M
  - T
  - #
  - 2
  - None of these
- How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a letter?
  - None
  - One
  - Two
  - Three
  - More than three
- Four of the following five are alike in a certain way based on their position in the above arrangement and so form a group. Which is the one that does not belong to that group?
  - ©24
  - P W M
  - R 1 6
  - R U Q
  - V G 8
- If all the symbols are dropped from the above arrangement, which of the following will be the fourteenth from the left end?
  - R
  - Q
  - U
  - 3
  - None of these

**Directions (7- 11):** study the following carefully and answer the questions given below:

**B M % R 3 J @ K © D F 6 9 W 4 \* N E P 2 \$ A Y 5 i Q Z # 7 U G**

7. Which of the following is the sixth to the left of the twentieth from the left end of the above arrangement?  
1. J      2. Q      3. W      4. E      5. None of these
8. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a number?  
1. None      2. One      3. Two      4. Three      5. More than three
9. If all the symbols and all the vowels are dropped from the above arrangement, which of the following will be twelfth from the right end?  
1. 9      2. 6      3. P      4. Y      5. None of these
10. How many such numbers are there in the above arrangement, each of which immediately preceded by a letter but not immediately followed by a number?  
1. None      2. One      3. Two      4. Three      5. More than three
11. What should come in place of question mark (?) in the following series based on the above arrangement? M R J © F 9 \* E 2  
1. Y 51      2. Y 1 Q      3. A 5 Q      4. Y 1 Z      5. None of these

**Directions(Q(12-17):** study the following arrangement carefully and answer the questions carefully given below:

**W 7 @ i R P 3 9 B A \$ 4 H D 5 © M E 2 % T \* 8 & U Q N 1 V # K F**

12. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol?  
1. None      2. One      3. Two      4. Three      5. More than three
13. If all the symbols are dropped from the above arrangement, which of the following will be fifteenth from the left end?  
1. E      2. 5      3. D      4. 2      5. None of these
14. How many such numbers are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a consonant?  
1. None      2. One      3. Two      4. Three      5. More than three
15. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is one that does not belong to that group?

1. T \* 2      2. Q N &      3. 3 9 R      4. 6 V K      5. % T E

16. Which of the following is the ninth to the right of the twenty second from the right end of the above arrangement?

1. H      2. #      3. T      4. @      5. None of these

17. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a letter?

1. None      2. One      3. Two      4. Three      5. More than three

**Directions(Q.18 -22): study the following arrangement carefully and answer the questions below:**

**H 9 3 P \$ K E % 4 F R 1 U @ W G 2 M i 5 B Q Z 6 © \* N & 8 V J**

18. If all the symbols and numbers are dropped from the above arrangement which of the following will be the fourteenth from the right end?

1. M      2. K      3. W      4. E      5. None of these

19. What should come in place of the question mark (?) in the following series based on the above arrangement? PK % RUW M5Q

1. © N 8      2. © N \$      3. \$ \* \$      4. 6\*8      5. None of these

20. How many such consonants are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol?

1. None      2. One      3. Two      4. three      5. More than three

21. Which of the following is the seventh to the left of the twentieth from the left end of the above arrangement?

1. U      2. S      3. M      4. N      5. None of these

22. How many such consonants are there in the above arrangement each of which is immediately followed by a number but not immediately preceded by a number?

1. None      2. One      3. Two      4. Three      5. More than three

**Directions (Q.23-28) : study the following arrangement carefully and answer the questions given below:**

**M 5 % P U 2 A \$ 4 3 Z E K 19 Q R i @ D 7 F & 8 W N 6 # V © J \* Y**

23. Which of the following is the ninth to the right of the seventeenth from the right end of the above arrangement?

1. N      2. \$      3. 4      4. W      5. None of these

24. Which of the following is the fourth to the left of the sixth to the left of W in the above

arrangement?

1. U      2.D      3. E      4. ©      5. None of these

25.How many such symbols are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a number?

1. None      2. One      3. Two      4. Three      5. More than three

26.How many such consonants are there in the above arrangement each of which is immediately followed by a symbol but not immediately preceded by a number?

1. None      2. One      3. Two      4. Three      5. More than three

27.Four of the following five are a like in a certain way based on their position in the above arrangement and so form a group. Which is the one that does not belong to that group?

1. P 5 A      2. 4 A E      3. Q I K      4. F 8@      5. VN\*

28.If all the symbols and the numbers in the above arrangement are dropped, which of the following will be the twelfth from the left end?

1. E      2. K      3. Z      4. D      5. None of these

**Direction (Q 29& 30): study the following arrangement carefully and answer the questions below:**

**4 K @ 1 E F © 2 H D % 3 8 B I M 6 \* U W Y 5 \$ 9 G J # 7 A**

29.Which of the following is the eight to the left of the nineteenth from the left end of the above arrangement?

- 1.%      2.U      3. D      4.#      5. None of these

30.How many such consonants are there in the above arrangement, each of which is immediately preceded by a letter and immediately followed by a number?

1. None      2. One      3. Two      4. Three      5. More than three

**Elements Series - Answers:**

1.1    2.2    3.2    4.4    5.3    6.5    7.3    8.2    9.1    10.5    11.3    12.1    13.1    14.2  
15.4    16.5    17.4    18.4    19.1    20.1    21.1    22.4    23.1    24.5    25.3    26.3  
27.5    28.5    29.1    30.3