

ALPHANUMERIC SERIES

Direction (1-4): Read the following information carefully and answer the questions given below.

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

1) How many elements are there which is/are immediately Preceding symbol and immediately preceded by a vowel?

- A. None
- B. Two
- C. Three
- D. One
- E. More than three

2) If all the symbols and numbers are dropped and then third, nine, ten, and thirteenth letters from the left end are dropped, then how many ten-letter meaningful words can be formed?

- A. Three
- B. Two
- C. One
- D. None
- E. More than three

3) Which of the following element is the fifth to the right of the seventh number from the right end?

- A. W
- B. E
- C. 8
- D. L
- E. 9

4) What is the sum of the numbers which is neither adjacent to symbol nor number?

- A. 25
- B. 30
- C. 28
- D. 29
- E. 24

Direction (5-7): Read the following information carefully and answer the questions given below.

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2
Z ^ I 1 * J

5) How many such symbols are there each of which is immediately preceded by a number and preceding consonants?

- A. None
- B. One
- C. Two
- D. Three
- E. More than three

6) Which of the following consonant is sixth to the left of the element which is eighth from the right end?

- A. K
- B. L
- C. G
- D. W
- E. R

7) Which of the following element is exactly between "&" and "#"?

- A. !
- B. W
- C. E
- D. M
- E. O

Direction (8-11): Study the following information carefully and answer the below questions:

In each question below is given a group of letters followed by four combinations of symbols and numbers. You have to find out which of the combinations correctly represents the code based on the given coding system and conditions.

Letter	N	D	R	E	P	F	U	I	G	A	S	O	M	T	L
Code	6	3	£	\$	2	&	β	8	#	1	€	9	5	¥	4

Conditions:

(i) If the first letter is a consonant and the last letter is a vowel, then the codes of both these are to be interchanged.

(ii) If both the first and the last letters are consonants, then both these are to be coded as per the code of the last letter.

(iii) If the first letter is a vowel and the last letter is a consonant, then the code for the entire word should be reversed.

(iv) If both the first and the last letters are vowels, then both these are to be coded as per the code of the first letter.

8) MESMERISING

A.5\$€5\$£8€86#

B.5\$€5\$£8€865

C.#\$€5\$£8€865

D.#\$€5\$£8€86#

E.None of these

9) AGGLUTINATE

A.1##4β¥861¥\$

B.\$##4β¥861¥\$

C.1##4β¥861¥1

D.\$##4β¥861¥1

E.None of these

10) INFLAMATION

A.698¥1514&68

B.86&4151¥896

C.86&4151¥898

D.66&4151¥896

E.None of these

11) DETERMINE

A.3\$¥\$£586\$

B.\$\$¥\$£5863

C.\$685£\$¥\$3

D.\$\$¥\$£586\$

E.None of these

Direction (12-16): Study the following information carefully and answer the questions given below.

\$ 4 2 7 D M ^ P & % 8 R Q 5 N * T 3 > / ? 9 6
E Z S

12) In a certain way, \$ is related 7 and M is related to & in the given series, in the same way, 6 is related to __?

A.?

B.Z

C.E

D.M

E.S

13) Which of the following should come in place of question mark (?) in the following series based on the elements in the above arrangements?

D2M, &^%, 5RN, ?

A.6ES

B.NT3

C.^7P

D./3?

E.%P&

14) How many letters are there as per the English alphabetical series between the first letters from both the ends in the given series?

A.Five

B.Six

C.Seven

D.Four

E.More than Seven

15) What is the sum of all the numbers that lies before R and after the symbol ">" in the given series?

- A.41
- B.23
- C.32
- D.36
- E.34

16) How many such symbols are there which is immediately preceded and immediately followed by letters in the given series?

- A.4
- B.2
- C.3
- D.6
- E.1

Direction (17-21): Read the following information carefully and answer the questions given below.

D 8 @ N G # T 9 U * L \$ K I 6 A % 4 W O ^ V 5 C & 0 1 E + 3

17) Which of the following element is exactly between "K" and "+" in the given series?

- A.^
- B.V
- C.O
- D.W
- E.4

18) Which of the following is the fourth symbol to the left of the eighth element from the right end in the given series?

- A.@
- B.#
- C.*
- D.\$
- E.%

19) Which of the following is the next pair in the following series?

DNG, T*L, KA% ____

- A.4^V
- B.OC&
- C.WV5
- D.64W
- E.l%4

20) What is the position of "6" with respect to "V" in the given series?

- A.Seventh to the left
- B.Eighth to the left
- C.Eighth to the right
- D.Seventh to the right
- E.Ninth to the left

21) How many symbols are there in the given series each of which is immediately preceded and immediately followed by a letter?

- A.Two
- B.One
- C.Four
- D.Three
- E.None

Direction (22-25): Read the following information carefully and answer the questions given below.

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G I P 4 B M 0

22) How many elements are there which is/are immediately Preceding symbol and immediately preceded by a vowel?

- A.None
- B.Two
- C.Three
- D.One
- E.More than three

23) If all the symbols and numbers are dropped and then third, nine, ten, and thirteenth letters from the left end are dropped, then how many ten-letter meaningful words can be formed?

- A.Three
- B.Two
- C.One
- D.None
- E.More than three

24) Which of the following element is the fifth to the right of the seventh number from the right end?

- A.W
- B.E
- C.8
- D.L
- E.9

25) What is the sum of the numbers which is neither adjacent to symbol nor number?

- A.25
- B.30
- C.28
- D.29
- E.24

Direction (26-28): Read the following information carefully and answer the questions given below.

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2 Z
^ | 1 * J

26) How many such symbols are there each of which is immediately preceded by a number and preceding consonants?

- A.None
- B.One
- C.Two
- D.Three
- E.More than three

27) Which of the following consonant is sixth to the left of the element which is eighth from the right end?

- A.K
- B.L
- C.G
- D.W
- E.R

28) Which of the following element is exactly between "&" and "#"?

- A.!
- B.W
- C.E
- D.M
- E.O

Direction (29-32): Study the following information carefully and answer the below questions:

In each question below is given a group of letters followed by four combinations of symbols and numbers. You have to find out which of the combinations correctly represents the code based on the given coding system and conditions.

Letter	N	D	R	E	P	F	U	I	G	A	S	O	M	T	L
Code	6	3	£	\$	2	&	β	8	#	1	€	9	5	¥	4

Conditions:

- (i) If the first letter is a consonant and the last letter is a vowel, then the codes of both these are to be interchanged.
- (ii) If both the first and the last letters are consonants, then both these are to be coded as per the code of the last letter.
- (iii) If the first letter is a vowel and the last letter is a consonant, then the code for the entire word should be reversed.

(iv) If both the first and the last letters are vowels, then both these are to be coded as per the code of the first letter.

29) MESMERISING

A.5\$€5\$£8€86#

B.5\$€5\$£8€865

C.#\$€5\$£8€865

D.#\$€5\$£8€86#

E.None of these

30) AGGLUTINATE

A.1##4β¥861¥\$

B.\$##4β¥861¥\$

C.1##4β¥861¥1

D.\$##4β¥861¥1

E.None of these

31) INFLAMATION

A.698¥1514&68

B.86&4151¥896

C.86&4151¥898

D.66&4151¥896

E.None of these

32) DETERMINE

A.3\$¥\$£586\$

B.\$\$¥\$£5863

C.\$685£\$¥\$3

D.\$\$¥\$£586\$

E.None of these

Directions (33-35): Study the following information carefully to answer the given questions:

F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2 U G C * 9
& Z N M © C

33) How many such symbols are there in the above arrangement each of which are immediately preceded by an alphabet and followed by a number?

- a. Two
- b. Three
- c. None
- d. One
- e. More than three

34) If all the numbers in the above arrangement are dropped, then which of the following will be eleventh from right end?

- a. U
- b. B
- c. W
- d. A
- e. None of these

37) 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 symbol?

- a. Two
- b. One
- c. Three
- d. Five
- e. None

Directions (36-40): Study the following information carefully and the questions given

2 7 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T
% 3 U B 6 5 \$ #

36) How many such letters are there in the above arrangement, each of which is immediately followed by a letter but not immediately preceded by a letter?

- a. four
- b. three
- c. two
- d. more than four
- e. none of these

37) Which of the following elements will be twelfth to the right of the eighth element from the left end of the given arrangement?

- a. E
- b. H
- c. G
- d. 6
- e. \$

38) How many such consonants are there in the above arrangement, each of which are immediately followed by a symbol and preceded by a vowel?

- a. two
- b. one
- c. three
- d. More the four
- e. None of these

39) Four of the following five elements are alike in a certain way based on their positions. Find the one which does not belong to that group?

- a. A6@
- b. @87
- c. EMQ
- d. 5A3
- e. ©TU

40) If all the symbols are dropped then which among the following elements will be the fifteenth element from the right end?

- a. B
- b. G
- c. %
- d. 2
- e. V

Directions (41-45): Study the following information carefully to answer the given questions:

Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E 8 B % T
2 S 3 & W

41) How many such numbers are there in the above arrangement each of which is immediately followed by a vowel and immediately preceded by a consonant?

- a. One
- b. Two
- c. Three
- d. More than three
- e. None

42) If the first and the last symbols in the above arrangement are dropped, then which of the following will be the twelfth from the left end?

- a. L
- b. N
- c. @
- d. Z
- e. None of these

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

- a. A 4 \$
- b. T B 2
- c. 9 Y M
- d. V 5 C
- e. P M 6

44) How many such consonants are there in the above arrangement each of which is immediately followed by an even number and immediately preceded by a symbol?

- a. None
- b. One
- c. Two
- d. Three
- e. More than three

45) Which of the following is third to the left of the fifteenth element from the left end?

- a. @
- b. Z
- c. 7
- d. L
- e. None of these

Direction (46-50): Study the following arrangement of numbers, letters, and symbols carefully and answer the questions given below:

R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8
U Z

46) 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 the one that does not belong to that group?

- a. JP©
- b. E*Q
- c. WI%
- d. 9V@
- e. 1#\$

47) Which of the following is the fifth to the right of the nineteenth element from the right end?

- a. P
- b. V
- c. W
- d. 8
- e. None of these.

48) How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol?

- a. Three
- b. One
- c. More than four

d. Four

e. Two

49) If the positions of the last eighteen elements in the above arrangement are reversed, which of the following will be the seventeenth from the left end?

a. E

b. P

c. W

d. 6

e. None of these

50) How many such vowels are there in the above arrangement, each of which is either immediately followed by a symbol or immediately preceded by a symbol?

a. One

b. Two

c. Three

d. Four

e. None

Directions (51-54): Study the following information carefully to answer the given questions:

6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 * V T U 2 \$ W

51) How many such symbols are there in the above arrangement each of which is immediately followed by a consonant but not preceded by another symbol?

a. None

b. One

c. Two

d. Three

e. Four

52) Four of the following five are alike in a certain way based on the positions of their elements in the above arrangement and so form a group. Which is the one that does not belong to the group?

a. IL@

b. AH%

c. KFE

d. QJ1

e. V * T

a. I

b. H

c. T

d. *

e. None of these

54) In the following question, select the related letters from the given alternatives.

B G : L 7 : : A % : ?

a. EK

b. DF

c. KF

d. FK

e. None of these

53) If all the numbers are dropped from the above arrangement which element will be fifth to the left of eleventh from the left?

SOLUTIONS

1. Answer: D

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

Required order -> Vowel-element-symbol

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

2. Answer: B

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

After symbol and number dropped

T O W E L A S D F G I P B M

T O E L A S D I P M

DIPLOMATES, PLASTIDOME

3. Answer: B

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

4. Answer: E

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G
I P 4 B M 0

$$3+9+1+7+4+0=24$$

5. Answer: C

Given series

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2
Z ^ | 1 * J

Required Order → Number-symbol-consonants

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2
Z ^ | 1 * J

6. Answer: B

Given series

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2
Z ^ | 1 * J

7. Answer: A

Given series

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2 Z
^ | 1 * J

8. Answer: D

By condition (ii), the code for the first and the last letter are to be coded as per the code of the last letter.

Therefore, the code for MESMERISING is

~~#\$€5\$£8€86#~~.

9. Answer: C

By condition (iv), the code for both the first and the last letters are to be coded as per the code of the first letter.

Therefore, the code for AGGLUTINATE is

~~1##4ß¥861¥1~~.

10. Answer: A

By condition (iii), the code for the entire word should be reversed.

Therefore, the code for INFLAMATION is

~~698¥1514&68~~.

11. Answer: B

DETERMINE

By condition (i), the codes of both the first and the last letters are to be interchanged.

Therefore, the code for DETERMINE is

~~\$\$¥\$£5863~~

12) Answer: E

13) Answer: D

14) Answer: E

15) Answer: D

16) Answer: B

17) Answer: A

Given Series

D 8 @ N G # T 9 U * L \$ K I 6 A % 4 W O ^ V 5 C
& 0 1 E + 3

18) Answer: C

Given Series

D 8 @ N G # T 9 U * L \$ K I 6 A % 4 W O ^ V 5 C &
0 1 E + 3

19) Answer: C

Given Series

D 8 @ N G # T 9 U * L \$ K I 6 A % 4 W O ^ V 5 C &
& 0 1 E + 3

20) Answer: A

Given Series

D 8 @ N G # T 9 U * L \$ K I **6** A % 4 W O ^ **V** 5 C &
0 1 E + 3

21) Answer: C

Given Series

D 8 @ N **G** # **T** 9 **U** * **L** \$ K I 6 A % 4 W **O** ^ **V** 5 C
& 0 1 E + 3

22. Answer: D

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G I
P 4 B M 0

Required order -> Vowel-element-symbol

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 **A % &** S 1 D F 7 G I
P 4 B M 0

23. Answer: B

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 E L 9 A % & S 1 D F 7 G I
P 4 B M 0

After symbol and number dropped

T O W E L A S D F G I P B M

T O E L A S D I P M

DIPLOMATES, PLASTIDOME

24. Answer: B

Given series

2 ! 6 T @ 5 O 3 W # \$ 8 **E** L 9 A % & S 1 D F 7 G
I P 4 B M 0

25. Answer: E

Given series

2 ! 6 T @ 5 O **3** W # \$ 8 E L **9** A % & S **1** D F **7**
G I P **4** B M **0**

3+9+1+7+4+0=24

26. Answer: C

Given series

@ A 8 G % K 3 L # O 7 W ! E R 9 & T M V \$ C 2
Z ^ | 1 * J

Required Order → Number-symbol-consonants

@ A 8 G % K 3 L # O 7 W ! E R **9 & T** M V \$ C 2
Z ^ | **1 * J**

27. Answer: B

Given series

@ A 8 G % K 3 **L** # O 7 W ! E R 9 & T M V \$ C 2
Z ^ | 1 * J

28. Answer: A

Given series

@ A 8 G % K 3 L # O 7 W ! E R 9 **&** T M V \$ C 2 Z
^ | 1 * J

29. Answer: D

By condition (ii), the code for the first and the last letter are to be coded as per the code of the last letter.

Therefore, the code for MESMERISING is
#\$€5\$£8€86#.

30. Answer: C

By condition (iv), the code for both the first and the last letters are to be coded as per the code of the first letter.

Therefore, the code for AGGLUTINATE is
1##4β¥861¥1.

31. Answer: A

By condition (iii), the code for the entire word should be reversed.

Therefore, the code for INFLAMATION is 698
¥1514&68.

32. Answer: B

DETERMINE

By condition (i), the codes of both the first and the last letters are to be interchanged.

Therefore, the code for DETERMINE is

\$ \$ ¥ \$ £ 5 8 6 3

33. a

34. c

35. d

36. e

37. b

Solution 33

Given series:

Left side F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2

U G C * 9 & Z N M © C Right side

1) Symbols which are immediately preceded by an alphabet and followed by a number:

Required order is, **Alphabet** → **Symbol** → **Number**

F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2 U G C * 9 & Z N M © C

Hence, there are 2 symbols which are immediately preceded by an alphabet and followed by a number:

F @ 5 and **C * 9**.

Solution 34

Given series:

Left side F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2

U G C * 9 & Z N M © C Right side

1) If all the numbers are dropped:

Left side F @ R \$ J P E H % I B # A W U G C * & Z N M © C Right side

2) 11th element from the right end is: W

Then, letter / number that is eleventh from right end is 'W'.

Solution 35

Given series:

Left side F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2

U G C * 9 & Z N M © C Right side Consonants

which are immediately preceded by a number but not immediately followed by a symbol: Required order is:

Number → **Consonant** → **Number / Alphabet**

F @ 5 3 R \$ J P E 1 H % I 8 4 B 6 # A W 2 U G C * 9 & Z N M © C

Hence, there is only one consonant which is immediately preceded by a number but not immediately followed by a symbol: '4 B 6'

Answers:

36. d

37. c

38. b

39. c

40. e

Solution 36

Given series: 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T % 3 U B 6 5 \$ # Letters, which are immediately followed by a letter but not immediately preceded by a letter 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T % 3 U B 6 5 \$ #

Therefore, there are 5 letters. Which are immediately followed by a letter but not preceded by a letter: 5KA, 3EG, \$MP, ©QT and 3UB

Hence, "more than four" is the correct answer.

Solution 37

Given series:

Left side: 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T % 3 U B 6 5 \$ # Right side

Eighth element from the left end – 3

Twelfth element to the right of eighth element from the left end (3) – G

Therefore, "G" will be twelfth to the right of the eighth element from the left end of the given arrangement

Hence, "G" is the correct answer.

Solution 38

Given series: 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T % 3 U B 6 5 \$ #

Consonants which are immediately followed by a symbol and preceded by a vowel

2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E G \$ M P © Q T % 3 U B 6 5 \$ #

Therefore, there is only one consonant which is

immediately followed by a symbol and preceded by a vowel: EG\$ Hence, “one” is the correct answer.

Solution 39

Given series: 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E
G \$ M P © Q T % 3 U B 6 5 \$ #

The second element is two steps ahead of the first element and the third element is three steps ahead of the second element.

A6@ → A + 2 = 6, 6 + 3 = @

@87 → @ + 2 = 8, 8 + 3 = 7

EMQ → E + 2 = \$ ≠ M, M + 3 = Q

5A3 → 5 + 2 = A, A + 3 = 3

©TU → © + 2 = T, T + 3 = U

Therefore, only EMQ does not belong to the group.

Hence, “EMQ” is the correct answer.

Solution 40

Given series: 2 @ 5 K A 7 6 3 2 @ T 8 € V 7 % B 3 E
G \$ M P © Q T % 3 U B 6 5 \$ #

If all the symbols are dropped then the series will be as follows:

Left end: 2 5 K A 7 6 3 2 T 8 V 7 B 3 E G M P Q T 3

U B 6 5: Right end

Fifteenth element from the right end – V

Answers:

41. b

42. b

43. a

44. b

45. d

Solution 41

In the given series:

Left Side Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E
8 B % T 2 S 3 & W Right Side Numbers which are immediately followed by a vowel and immediately preceded by a consonant:

Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E 8 B % T
2 S 3 & W

Hence, there are two numbers which are immediately

followed by a vowel and immediately preceded by a consonant: P 6 I and C 7 E.

Solution 42

Given series:

Left Side Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E
8 B % T 2 S 3 & W Right Side If first and last symbols are dropped: (\$ and &)

Y X 9 M G P 6 I A 4 L N @ Z 5 # V C 7 E 8 B % T 2
S 3 W

12th character from the left end is N.

Hence, the element that is twelfth from the left end is ‘N’.

Solution 43

Given series:

Left Side Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E
8 B % T 2 S 3 & W Right Side

Here in the group, the first and the third elements are neighbours of each other in the series. The second element is placed before the first element in the series such that there is exactly one element between them.

Hence, A 4 \$ does not belong to the group.

Solution 44

Given series:

Left Side Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7
E 8 B % T 2 S 3 & W Right Side

Consonants which are immediately followed by even number and immediately preceded by a symbol:

Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E 8 B %
T 2 S 3 & W

Hence, there is one consonant which is immediately followed by even number and immediately preceded by a symbol: % T 2.

Solution 45

Given series:

Left Side Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C
7 E 8 B % T 2 S 3 & W Right Side

1) Fifteenth element from the left end is: Z

Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E 8 B %
T 2 S 3 & W

2) Third element to the left of the fifteenth element: L

Y X 9 M G P 6 I \$ A 4 L N @ Z 5 # V C 7 E 8 B %

T 2 S 3 & W Hence, L is third to the left of the fifteenth element from the left end.

Answers:

- 66. e
- 67. e
- 48. b
- 49. c
- 50. a

Solution 46

Given series:

Left Side R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z Right Side

Pattern followed is: (First Term ± 2 = Second Term); (Second Term ± 4 = Third Term)

- 1) JP© $\rightarrow J + 2 = P$; $P - 4 = \text{©}$
- 2) EQ* $\rightarrow E + 2 = *$; $* - 4 = Q$
- 3) WI% $\rightarrow W + 2 = I$; $I - 4 = \%$
- 4) 9V@ $\rightarrow 9 + 2 = V$; $V - 4 = \text{@}$
- 5) 1#\$ $\rightarrow 1 - 2 = \#$; $\# + 6 = \$$

Here, all except option 5 follow the pattern. Hence, 1#\$ does not belong to the given group.

Solution 47

Given series:

Left Side R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z Right Side

- 1) The nineteenth element from the right is #.
- 2) The fifth element to the right of the nineteenth element from the right end; I.e. Fifth element to the right of #: **Q**

R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z

Hence, the answer is none of these.

Note: Right End– Right $\rightarrow 19^{\text{th}} - 5^{\text{th}} = 14^{\text{th}}$ from right i.e. Q.

Solution 48

Given series:

Left Side R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z Right Side

Numbers which are immediately preceded by a consonant and immediately followed by a symbol:

Consonant \rightarrow Number \rightarrow Symbol

R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z

E is a **vowel** hence 'E 3 *' is not counted.

Clearly only one number is there i.e. Y 5 ©

Solution 49

Given series:

Left Side R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z Right Side

- 1) Positions of the last eighteen elements in the above arrangement are reversed:

R @ 2 9 T V A Y 5 © # Z U 8 I 4 W 6 % H * 3 E \$ Q 8 P 1 J

- 2) The seventeenth element from the left end:

R @ 2 9 T V A Y 5 © # Z U 8 I 4 **W** 6 % H * 3 E \$ Q 8 P 1 J

Hence, the seventeenth element from left in this arrangement can be easily seen as W.

Solution 50

Given Series:

Left Side R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ E 3 * H % 6 W 4 I 8 U Z Right Side

Vowels which are immediately followed by a symbol or immediately preceded by a symbol: Symbol \rightarrow Vowel
OR Vowel \rightarrow Symbol

R @ 2 9 T V A Y 5 © # J 1 P 8 Q \$ **E** 3 * H % 6 W 4 I 8 U Z

Hence, only one vowel is there which is immediately preceded by symbol.

Answers:

- 51. c
- 52. a
- 53. e
- 54. d

Solution 51

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K
E 8 J Q 1 * V T U 2 \$ W Right Side

1) Symbols which are immediately followed by a consonant but not preceded by another symbol:

6 B G @ I L 7 3 H A % © D F K E 8 J Q
1 * V T U 2 \$ W

Hence, there is 2 Symbols which is immediately followed by a consonant but not preceded by another symbol: 1 * V, 2 \$ W

Solution 52

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E
8 J Q 1 * V T U 2 \$ W Right Side

Here the group is formed in which second element is to the immediate left of the first element, and the third element is immediate right of the first element.

Left Side # 6 B G @ **I L** 7 3 **H A** % © D **F K**
E 8 J Q 1 * V T U 2 \$ W Right Side

Hence, **I L @** does not belong to the group.

Solution 53

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E
8 J Q 1 * V T U 2 \$ W Right Side

1) If all the numbers are dropped:
B G @ I L H A % © D F K E J Q * V T U \$ W
2) Fifth to the left of eleventh from the left.

As, Left – Left = Left

11th from the left – 5th from the left = 6th from the left

Clearly, 6th from the left is L.

Then, letter/ Symbol that is fifth to the left of eleventh from the left is 'L'.

Solution 54

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 *
V T U 2 \$ W Right Side

B G : L 7 : : A % : ?

Clearly, the logic behind this is; the elements are neighbors and there are 2 spaces between two groups of neighbors. Hence, the next term is FK.