

SBI Clerk/ RBI Assist. Mains – Reasoning

e. 8.

2) How many such alphabets are there in the series which are followed by a number?

a. One

b. Two

c. Three

d. Four

e. Five

3) How many such symbol/s is/are there in the series which is/are preceded by a number but followed by an alphabet?

a. One

b. Two

c. Three

d. Four

e. Five

4) How many pairs of numbers/alphabets/symbols are there in the final series? (if there is more two number, symbol or letter is repeated they also considered as one count)

a. None

b. One

c. Two

d. Three

e. Four

5) What is the sum of numbers are there in the series?

a. 34

b. 32

c. 33

d. 35

e. None of these

Directions 6-10: Answer the questions based on the sequence of numbers, alphabets and symbols given.

1 # W \$ 4 S \$ D & * 2 7 ! A H 4 % 8 @ ! 5 3 L 9 F @ Q
\$ 6 <

There are certain operations which are to be applied, and then mark your answer accordingly.

1) If each letter in A-Z alphabetical series is represented by number 1–26 respectively, then each number in the series is replaced by the alphabet as per its represented number.

2) If each letter in A-Z alphabetical series is represented by number 1–26 respectively, then only first nine letters of A-Z alphabetical series is replaced by its represented number and other letters will remain same.

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3) Symbols '\$' and '!' are replaced by a symbol '<'.
6) How many such numbers are there in the series which are preceded by a symbol?

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

7) How many such alphabets are there in the series which are followed by an alphabet only?

- a. 0
- b. 4
- c. 5
- d. 7
- e. 8

8) How many alphabets are there in the series?

- a. 8
- b. 10
- c. 4
- d. 14
- e. 15

9) How many numbers are there in the series?

- a. Eleven
- b. Eight
- c. Seventeen
- d. Fourteen
- e. Ten

10) How many such numbers/alphabets are there in the series which are immediately preceded and followed by a symbol '<'?

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

Direction 11-15: Read the following information carefully and answer the question asked below

7 M 4 \$ G U * 5 % @ X 3 # S & 2 9 Δ I 8 O 1 J © 6 V P
^

Step 1: The letters which are immediately preceded by number are to be arranged in the alphabetical order immediately after the last element of the series.

Step 2: The number which is immediately followed by another number and immediately preceded by the symbol are to be arranged in descending order immediately after the last element of the series.

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Step 3: The symbol which is immediately preceded by a letter is to be interchange with the element that immediately followed that symbol.

Note – Step 2 is performed after completion of step 1 and step 3 is to be performed after completion of step 2.

11) What is the sum of the element which is sixth from the left in step 3 and eighth from the right in step 2?

- a. Addition of element is not possible
- b. 13
- c. 11
- d. 10
- e. 12

12) How many letters are there between the fourth element from the right and twelfth element from the right after completion of all the steps?

- a. One
- b. Two
- c. Three
- d. Four
- e. More than four

13) Which of the following is seventh to the right of eight from the left in step 2?

- a. 9

- b. &
- c. 7
- d. Δ
- e. 2

14) If half of the series get reversed from starting after last step which of the following will be eighth element from the left end?

- a. %
- b. 5
- c. @
- d. *
- e. U

15) If all the alphabets are arranged in alphabetical order on the same places where alphabets placed after the last step which of the following element is seventh to the left of seventeenth from the left end?

- a. X
- b. O
- c. S
- d. P
- e. J

16-20) Directions: Study the following information to answer the question given below:

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@ M 3 6 P % 9 K T Q 5 C \$ 8 A # 7 D S * H 2 W Z

Step: 1 – Those Numbers which are immediately preceded by the symbol and immediately followed by an Alphabet are written at the right end in ascending order.

Step: 2 – After completing the step -1, interchange the Odd number with the previous element in the series to form the step -2

Step: 3 – After completing the step - 2, Alphabets which are immediately followed by a symbol are written between sixth and seventh element from the right end; in alphabetical order from left to right.

16) Which of the following element is seventh to the right of the element which is Tenth from the left end in step -3?

- a. Z
- b. P
- c. D
- d. W
- e. H

17) How many numbers are immediately followed and immediately preceded by an alphabet in step -3?

- a. One
- b. Two

- c. Three
- d. None
- e. More than three

18) Which of the following element is 9th from the right end in step 2?

- a. \$
- b. A
- c. S
- d. *
- e. C

19) How many Symbols are immediately followed and immediately preceded by an alphabet in step -2?

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

20) Which element is 2th to the right of 6nd element from the right end after step 3?

- a. 2
- b. W
- c. 9

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d. 7

e. 8

Direction 21-25: Read the information carefully and answer the questions.

Input: (3 G & I 4 D 7 # U X 2 1 * A 8 H 6 & 9 ^ M P ! # 5)

Step 1: If the number is followed by a symbol then it interchanged with that symbol.

Step 2: After completing step 1, all even numbers are written between 10th element and 11th element from left, arranged in ascending order.

Step 3: After completing step 2, the symbols preceded by a number and succeeded by a letter is written between 11th element and 12th element from the right end.

Step 4: After completing step 3, the odd numbers followed by a letter are written at the beginning of the series in the reverse order of the given series.

21) In step 3, which of the following element is between 8th element and 10th element from the right end?

a. H

b. ^

c. M

d. 1

e. *

22) How many elements are there to right of ‘^’ in step 4?

a. 6

b. 8

c. 1

d. 5

e. 9

23) How many symbols are there which are followed by vowels in step1?

a. Three

b. One

c. Four

d. None

e. Two

24) Which element is 3rd to the right of the element which is 4th to the left of the letter which immediate right of P in step 3?

a. !

b. #

c. P

d. M

e. 9

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25) In step 4, how many symbols are preceded by Symbols?

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

26-30) Direction: Read the information carefully and answer the questions.

Input: & 1 B * 5 4 9 Z & 3 T 0 2 # 1 C W 2 7 * ! 6 K # 3
@ 2 1 D ^ 5

Step 1: The Consonants preceded by a number are interchanged with each other.

Step 2: After completing step 1, the symbols which are followed by odd numbers are written at the first, according to their occurrence in the series.

Step 3: After completing step 2, even numbers are multiplied by 3.

26) In step 3, which element is 8th from the left end?

- a. 9
- b. 12
- c. Z
- d. 5
- e. &

27) How many symbols are succeeded by consonant in step 2?

- a. 4
- b. 7
- c. 3
- d. 1
- e. none

28) In step 3, how many consonants are preceded by a symbol and not followed by a number?

- a. 6
- b. 4
- c. 3
- d. 2
- e. 0

29) Which element is at the beginning in the step 2?

- a. ^
- b. B
- c. !
- d. *
- e. Z

30) How many letters are succeeded by or preceded by a number in step 1?

- a. 9

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b. 10

c. 7

d. 8

e. 4

31-35) Direction: Read the information carefully and answer the questions.

Input: 2 R * 7 8 E \$ G 2 # 4 9 L % K 1 & A W? P + Q @ 8 F 6

Step 1: If the Symbol is followed by an even number than position of both will be interchanged.

Step 2: After completing step 1, all consonants will be changed to immediate succeeding letter in English alphabet series.

Step 3: After completing step 2, the vowels present in the series should be changed to their immediate preceding letter in English alphabet series.

31) In step 3, which element is 6th from the left end?

a. 7

b. \$

c. D

d. H

e. None of these

32) How many symbols are preceded by consonant in step 3?

a. 6

b. 7

c. 3

d. 1

e. none

33) In step 3, how many numbers are preceded by a symbol?

a. 6

b. 4

c. 3

d. 2

e. 1

34) How many elements between the elements which 4th to the right and 3rd to the left after step 2?

a. 18

b. 19

c. 20

d. 21

e. 17

35) How many consonants are succeeded by and preceded by a symbol in step 1?

a. 2

b. 3

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c. 5

d. 6

e. 4

Answer-B

36-40) Direction: Read the information carefully and answer the questions.

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

Step 1: All the numbers which are preceded by consonants should be written after the final element of the series of the given input in the ascending order.

Step 2: After completing step 1, all Vowels should be changed to immediate succeeding alphabet

Step 3: After completing step 2, all the symbols which are immediately followed and succeeding by consonants should be written before the 1st element of the series.

`

36) After step 3, which element is between 3rd element and 7th element from the right end?

a. \$

b. #

c. 3

d. B

e. None of these

37) How many elements are there to right of 4th consonant from the left in step -2?

a. 16

b. 18

c. 17

d. 15

e. 21

38) How many symbols are there which are followed by even numbers in step1?

a. Three

b. One

c. Four

d. None

e. Two

39) Which element is 6th to the right of the element which is 7th to the left in step 3?

a. 2

b. @

c. T

d. V

e. B

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40) In step 2, how many symbols are preceded by Consonants?

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

41-45) Direction: Read the information carefully and answer the questions.

¥ R 6 # J K 4 @ 5 L 7 * 1 M N \$ J H £ G 9 © 5 Z % T K &

Step 1: The letters which are immediately preceded by symbols are to be arranged in the alphabetical order immediately after the 3rd element from the left of the series

Step 2: The number which is immediately followed by symbol is to arrange after the end of the series in the ascending order.

Step 3: The symbol which is immediately preceded by an alphabet whose position is even in the English alphabetical order is to be placed after the last 3rd element of the series from the right.

Note – Step 2 is performed after completion of step 1 and step 3 is to be performed after completion of step 2.

41) What is the sum of the element which is fourth from the right in step 2 and 10th from the left in step 3?

- a. 9
- b. 13
- c. 11
- d. 10
- e. 12

42) How many letters are there between the sixth element from the right and thirteenth element from the left in step 3?

- a. Eight
- b. Six
- c. Seven
- d. Five
- e. Four

43) Which of the following is 10th to the right of 3rd from the left in step 2?

- a. K
- b. &
- c. 7
- d. %
- e. 1

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44) How many such symbols are there in the step -1 each of which are immediately preceded by a number and followed by an alphabet?

- a. One
- b. Two
- c. Three
- d. Four
- e. More than four

45) If all the symbols in the above arrangement are dropped, then which of the following will be the tenth from the right end in step -3 of the arrangement?

- a. N
- b. M
- c. H
- d. 5
- e. Z

46-50) Direction: Read the information carefully and answer the questions.

K @ R 5 \$ U 6 & T £ H 8 © I ¥ O P 3 € 1

There are certain operations which are to be applied, and then mark your answer accordingly.

1) If each letter in A-Z alphabetical series is represented by number 1-26 respectively, then only vowels in the

series is replaced by the alphabet as per its represented number.

2) If each letter in A-Z alphabetical series is represented by number 1-26 respectively, the letters whose position is a prime number in the English alphabet series are to be replaced with their represented number.

3) Symbols are replaced by immediate preceding element

46) How many such numbers are there in the above arrangement each of which are immediately preceded by a consonant and followed by a number in after the final arrangement?

- a. Four
- b. Two
- c. One
- d. Three
- e. More than three

47) If all the symbols in the odd number from the final arrangement are dropped, then which of the following will be the tenth from the right end?

- a. K
- b. R
- c. 8

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d. I

e. None of these

48) How many such consonants is/are there in the series which is/are proceeded by a even number but not followed by an alphabet?

a. One

b. Two

c. Three

d. Four

e. Five

49) How many pairs of numbers/alphabets are there in the series?

a. Seven

b. Six

c. Five

d. Three

e. Four

50) What is the sum of numbers are there in the series?

a. 94

b. 92

c. 93

d. 90

e. 95

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Alpha Numeric New Pattern - Answer and Explanation

Solution 1-5

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A 2 Z R Q # Y \$ % U 4 * W 1 % D 9 S @ T 8

10 Consecutive letters starting from 11th letter = K, L, M, N, O, P, Q, R, S, T.

K = 1, L = 2, M = 3, N = 4, O = 5, P = 6, Q = 7, R = 8, S = 9, T = 0

Series	A	2	Z	R	Q	#	Y	\$	%	U	4	*	W	1	%	D	9	S	@	T	8
Condition 1		B									D										H
Condition 2				8	7												9		0		
Condition 3									\$						\$						
Final	A	B	Z	8	7	#	Y	\$	\$	U	D	*	W	1	\$	D	9	9	@	0	H

Final Series: A B Z 8 7 # Y \$ \$ U D * W 1 \$ D 9 9 @ 0 H

1. C
2. C
3. B
4. D
5. A

Solution 6-10

Consider the series given:

Series	1	#	W	\$	4	S	\$	D	&	*	2	7	!	A	H	4		%	8	@	!	5	3	L	9	F	@	Q	\$	6	<
Condition 1	A				D						B	G				D			H			E	C		I					F	
Condition 2	1				4			4						1	8		4		8			5	3		9	6				6	

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Condi tion 3				<			<					<							<								<				
Final	1	#	W	<	4	S	<	4	&	*	2	7	<	1	8	4		%	8	@	<	5	3	L	9	6	@	Q	<	6	<

Final Series:

1 # W < 4 S < 4 & * 2 7 < 1 8 4 % 8 @ < 5 3 L 9 6 @ Q
< 6 <

6. E
7. A
8. C
9. D
10. B

Solutions 11-15

Given series: 7 M 4 \$ G U * 5 % @ X 3 # S & 2 9 Δ I 8
O 1 J © 6 V P ^

Step 1: The letters which are immediately preceded by
number are to be arranged in the alphabetical order
immediately after the last element of the series.

Step 1: 7 4 \$ G U * 5 % @ X 3 # S & 2 9 Δ I 8 1 © 6 P ^
J M O V

Step 2: 7 4 \$ G U * 5 % @ X 3 # S & 9 Δ I 8 1 © 6 P ^ J
M O V 2

Step 2: The number which is immediately followed by
another number and immediately preceded by the symbol

are to be arranged in descending order immediately after
the last element of the series.

Step 3: 7 4 \$ G U 5 * % @ X 3 # S 9 & Δ I 8 1 © 6 P J ^
M O V 2

Step 3: The symbol which is immediately preceded by a
letter is to be interchange with the element that
immediately followed that symbol.

If all the alphabets are arranged in alphabetical order

New series: 7 4 \$ G I 5 * % @ J 3 # M 9 & Δ O 8 1 © 6
P S ^ U V X 2

11. C
12. B
13. A
14. D
15. E

Solution: 16-20

Given Input: @ M 3 6 P % 9 K T Q 5 C \$ 8 A # 7 D S
* H 2 W Z

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Step: 1 – Those Numbers which are immediately preceded by the symbol and immediately followed by an Alphabet are written at the right end in ascending order.

Step 1: @ M3 6 P % K T Q5 C \$ A # D S * H 2 W Z789

Step: 2 – After completing the step -1, interchange the Odd number with the previous element in the series to form the step -2

Step 2: @ 3 M 6 P% K T 5 Q C\$ A# D S* H 2 W 7 Z 9 8

Step: 3 – After completing the step - 2, Alphabets which are immediately followed by a symbol are written between sixth and seventh element from the right end; in alphabetical order from left to right.

Final series:-

Step 3: @ 3 M 6 % K T 5 Q \$ # D * H A C P S 2 W 7 Z 9 8

- 16. B
- 17. C
- 18. C
- 19. E
- 20. D

Solution 21-25

Given Input: (3 G & I 4 D 7 # U X 2 1 * A 8 H 6 & 9 ^ M P ! # 5)

Step 1: If the number is followed by a symbol then it interchanged with that symbol.

Step 1: (3 G & I 4 D # 7 U X 2 * 1 A 8 H & 6 ^ 9 M P ! # 5)

Step 2: After completing step 1, all even numbers are written between 10th element and 11th element, arranged in ascending order.

(3 G & I D # 7 U X 2 4 6 8 * 1 A H & ^ 9 M P ! # 5)

Step 3: There are no such symbols their series remains the same as in step 2.

(3 G & I D # 7 U X 2 4 6 8 * 1 A H & ^ 9 M P ! # 5)

Step 4: After completing step 3, the odd numbers followed by a letter are written at the beginning of the series in the reverse order of the given series.

9 1 7 3 (G & I D # U X 2 4 6 8 * A H & ^ M P ! # 5

- 21. A
- 22. D
- 23. B
- 24. C
- 25. E

Solution 26-30

Step 1: The Consonants preceded by a number are interchanged with each other.

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Input: & B 1 * 5 4 Z 9 & T 3 0 2 # C 1 W 2 7 * ! K 6 # 3
@ 2 D 1 ^ 5

Step 2: After completing step 1, the symbols followed by an odd number are written at the first, according to their occurrence in the series.

Input: * # ^ & B 1 5 4 Z 9 & T 3 0 2 # C 1 W 2 7 * ! K 6
3 @ 2 D 1 5

Step 3: After completing step 2, even numbers are multiplied by 3.

Input: * # ^ & B 1 5 12 Z 9 & T 3 0 6 # C 1 W 6 7 * ! K
18 3 @ 6 D 1 5

26. B

27. A

28. E

29. D

30. C

Solution 31-35

Input: 2 R * 7 8 E \$ G 2 # 4 9 L % K 1 & 2 W ? P + Q @
8 F 6

Step 1: If the Symbol is followed by an even number than position of both will be interchanged.

Input: 2 R * 7 8 E \$ G 2 4 # 9 L % K 1 2 & W ? P + Q 8
@ F 6

Step 2: After completing step 1, all consonants will be changed to immediate succeeding letter in English alphabet series.

Input: 2 S * 7 8 E \$ H 2 4 # 9 M % L 1 2 & X ? Q + R 8
@ G 6

Step 3: After completing step 2, the vowels present in the series should be changed to their immediate preceding letter in English alphabet series.

Input: 2 S * 7 8 D \$ H 2 4 # 9 M % L 1 2 & X ? Q + R 8
@ G 6

31. C

32. A

33. D

34. C

35. A

Solutions 36-40

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

Step 1: All the numbers which are preceded by consonants should be written after the final element of the series of the given input in the ascending order.

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

Step 2: After completing step 1, all Vowels should be changed to immediate succeeding alphabet

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Input: 5 K B 7 6 3 2 @ T € V % B F G \$ M P © Q T %
3 V B 5 \$ # 3 6 7 8

Step 3: After completing step 2, all the symbols which are immediately followed and preceded by consonants should be written before the 1st element of the series.

Input: € % \$ © 5 K B 7 6 3 2 @ T V B F G M P Q T %
3 V B 5 \$ # 3 6 7 8

- 36. B
- 37. E
- 38. D
- 39. C
- 40. C

Solutions 41-45

¥ R 6 # J K 4 @ 5 L 7 * 1 M N \$ J H £ G 9 © 5 Z % T
K &

Step 1: The letters which are immediately preceded by symbols are to be arranged in the alphabetical order immediately after the 3rd element from the left of the series

¥ 6 # G J J R T K 4 @ 5 L 7 * 1 M N \$ H £ 9 © 5 Z % K
&

Step 2: The number which is immediately followed by symbol is to be arrange after the end of the series in the ascending order.

¥ # G J J R T K @ 5 L * 1 M N \$ H £ © 5 Z % 6 K & 4 6
7 9

Ste 3: The symbol which is immediately preceded by an alphabet whose position is even in the English alphabetical order is to be placed after the last 3rd element of the series from the right.

This is the final series:

¥ # G J J R T K @ 5 L 1 M N H © 5 Z K & 4 6 * \$ £ %
7 9

- 41. A
- 42. E
- 43. E
- 44. A
- 45. B

Solution 46-50

Given Series: - K @ R 5 \$ U 6 & T £ H 8 © I ¥ O P 3 € 1

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Seri es	K	@	R	5	\$	U	6	&	T	£	H	8	©	I	¥	O	P	3	€	1
Con diti on 1					2 1								9			1 5				
Con diti on 2	1 1																			
Con diti on 3		1 1			5		6		T			8		9				3		
Fin al	1 1	1 1	R	5	5	2 1	6	6	T	T	H	8	8	9	9	1 5	P	3	3	1

Final Series: 11 11 R 5 5 21 6 6 T T H 8 8 9 9 15 P 3 3 1

46. D

47. B

48. A

49. A

50. D

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Alphabetical Series

Directions (1-5): Following questions are based on five words given below:

RICH PICK FLAT SOUL ROAR

(Note: The words formed after performing the given operations may or may not be meaningful English words.)

1. If all the letters in each of the words are arranged alphabetically (within the word), how many words will remain unchanged?

- (a) One
- (b) Two
- (c) None
- (d) Three
- (e) Four

2. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be second from the right?

- (a) SOUL
- (b) PICK
- (c) RICH
- (d) FLAT
- (e) ROAR

3. If last letter in each of the words is changed to next alphabet in the English alphabetical order, how many words having two vowels (same or different vowels) will be formed?

- (a) Four

(b) One

(c) Two

(d) Three

(e) None

4. How many letters are there in the English alphabetical series between the second letter of the word which is second from the right and the second letter of the word which is second from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) Nine
- (e) Three

5. If in each of the given words each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will no vowels appear?

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

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Directions (6-10): Following questions are based on five words given below:

TUB HUB MUG PAR FOR

6. If the positions of the first and the third alphabets of each words are interchanged, which of the following would form meaningful words with the new arrangement?

- (a) TUB
- (b) HUB
- (c) MUG and TUB
- (d) PAR and TUB
- (e) FOR and HUB

7. If the given words are arranged in the order as they would appear in a dictionary from right to left, which of the following will be second from the left?

- (a) FOR
- (b) HUB
- (c) MUG
- (d) PAR
- (e) TUB

8. If first letter in each of the words is changed to previous alphabet in the English alphabetical order, how many words having two vowels (same or different vowels) will be formed?

- (a) None
- (b) One
- (c) Two
- (d) Three

(e) Four

9. How many letters are there in the English alphabetical series between the first letter of the word which is third from the right and the second letter of the word which is first from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) Nine
- (e) Seven

10. If in each of the given words each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will no vowels appear?

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

Directions (11-15): Following questions are based on five words given below:

LEAK PEST CHOK TENT LOKI

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

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11. If the fourth alphabet of each of the words is changed to the next alphabet in the English alphabetical series, which of the following has exactly one vowel?

- (a) CHOK
- (b) LOKI
- (c) PEST
- (d) LEAK
- (e) Both CHOK and LOKI

12. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be fourth from the right?

- (a) LEAK
- (b) LOKI
- (c) PEST
- (d) TENT
- (e) CHOK

13. If first alphabet in each of the words is changed to previous alphabet in the English alphabetical order, how many words having two vowels (same or different vowels) will be formed?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) Four

14. How many letters are there in the English alphabetical series between the first letter of the word which is second from the right and the second letter of the word which is first from the left of the given words?

- (a) Twelve
- (b) Fifteen
- (c) Ten
- (d) Fourteen
- (e) Three

15. If in each of the given words each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will no vowels appear?

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

Directions (16-20): Following questions are based on five words given below:

LAPE CUTE CARE SOON HIDE

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

16. If the third letter of each of the words is changed to the next alphabet in the English alphabetical series, which of the following has exactly one vowel?

- (a) LAPE
- (b) HIDE
- (c) CUTE
- (d) CARE
- (e) SOON

17. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be second from the left?

- (a) CUTE
- (b) LAPE
- (c) SOON
- (d) HIDE
- (e) CARE

18. If in each of the given words, each of the consonants is changed to previous letter in the English alphabetical series, in how many words thus formed will at least three vowel appear?

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

19. How many letters are there in the English alphabetical series between the third letter of the word which is third from the right and the first letter of the word which is first from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) None
- (e) Three

20. If first letter in each of the words is replaced to 'B' then how many words will be formed meaningful?

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

Directions (21-25): Following questions are based on five words given below:

TAPE LATE DONE FOOT SUIT

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

21. If the positions of the first and the third alphabets of each words are interchanged, how many words form meaningful words with the new arrangement?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) None

22. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be second from the right?

- (a) LATE
- (b) SUIT
- (c) TAPE
- (d) FOOT
- (e) DONE

23. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear?

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

24. How many letters are there in the English alphabetical series between the second letter of the word which is second from the right and the first letter of the word which is first from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) None

(e) Four

25. If first consonant in each of the words is changed to next alphabet in the English alphabetical order, which word having Three different vowels will be formed?

- (a) TAPE
- (b) LATE
- (c) DONE
- (d) SUIT
- (e) FOOT

Directions (26-30): Following questions are based on five words given below:

LEFT POST QUIZ PAID MORE

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

26. If the positions of the first and the third alphabets of each words are interchanged, which of the following would form meaningful words with the new arrangement?

- (a) QUIZ
- (b) MORE
- (c) Both LEFT and MORE
- (d) PAID
- (e) Both POST and QUIZ

27. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be fourth from the left?

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- (a) POST
- (b) MORE
- (c) QUIZ
- (d) LEFT
- (e) PAID

28. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear?

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

29. How many letters are there in the English alphabetical series between the third letter of the word which is second from the right and the first letter of the word which is second from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) None
- (e) Three

30. If second alphabet in each of the words is changed to next alphabet in the English alphabetical order, how many words having two vowels will be formed?

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

Directions (31-35): Following questions are based on five words given below:

SORT ABLE BOND DUKE GIFT

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

31. If the positions of the first and the second letter of each words are interchanged, which of the following would not start from vowel in the new arrangement?

- (a) GIFT
- (b) DUKE
- (c) ABLE
- (d) SORT
- (e) BOND

32. If the given words are arranged in the order as they would appear in a dictionary from right to left, which of the following will remains on the same position in the new arrangement?

- (a) SORT

- (b) GIFT
- (c) DUKE
- (d) ABLE
- (e) BOND

33. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear?

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

34. How many letters are there in the English alphabetical series between the first letter of the word which is first from the right and the first letter of the word which is first from the left of the given words?

- (a) Eleven
- (b) Five
- (c) Six
- (d) None
- (e) Twelve

35. If third alphabet in each of the words is changed to next alphabet in the English alphabetical order, how many words having two vowels will be formed?

- (a) None

- (b) Three
- (c) Two
- (d) One
- (e) More than three

Directions (36-40): Following questions are based on five words given below:

FUEL HARM ITEM KNOW LACK

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

36. If the positions of the first and the third alphabets of each words are interchanged, which of the following would starts from consonant in the new arrangement?

- (a) KNOW
- (b) KNOW
- (c) Both HARM and KNOW
- (d) LACK
- (e) Both HARM and LACK

37. If the given words are arranged in the order as they would appear in a dictionary from right to left, which of the following will be third from the right?

- (a) HARM
- (b) FUEL
- (c) ITEM
- (d) KNOW
- (e) LACK

38. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear?

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

39. How many letters are there in the English alphabetical series between the third letter of the word which is second from the right and the first letter of the word which is second from the left of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) None
- (e) Three

40. If first alphabet in each of the words is changed to next alphabet in the English alphabetical order, which of the following will start with vowels in the new arrangement?

- (a) KNOW
- (b) HARM
- (c) LACK
- (d) FUEL

(e) ITEM

Directions (41-45): Following questions are based on five words given below:

MAIL GROW COST HOUR LOVE

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

41. If the positions of the first and the third alphabets of each words are interchanged, which of the following would form meaningful words with the new arrangement?

- (a) HOUR
- (b) MAIL
- (c) COST
- (d) LOVE
- (e) GROW

42. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be second from the left?

- (a) GROW
- (b) HOUR
- (c) LOVE
- (d) COST
- (e) MAIL

43. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English

alphabetical series, in how many words thus formed will at least one vowel appear?

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

44. How many letters are there in the English alphabetical series between the third letter of the word which is third from the right and the first letter of the word which is first from the right of the given words?

- (a) Two
- (b) Five
- (c) Six
- (d) None
- (e) Three

45. If First alphabet in each of the words is changed to next alphabet in the English alphabetical order, which of the following word start with vowels in the new arrangement?

- (a) MAIL
- (b) HOUR
- (c) LOVE
- (d) COST
- (e) GROW

Directions (46-50): Following questions are based on five words given below:

ACID SIDE POOL DESK BOAT

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

46. If the positions of the first and the second alphabets of each words are interchanged, which of the following would form meaningful words with the new arrangement?

- (a) DESK
- (b) POOL
- (c) Both ACID and SIDE
- (d) None
- (e) Both DESK and BOAT

47. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be fourth from the left?

- (a) POOL
- (b) ACID
- (c) DESK
- (d) BOAT
- (e) SIDE

48. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear?

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

49. How many letters are there in the English alphabetical series between the third letter of the word which is third from the left and the forth letter of the word which is first from the left of the given words?

- (a) Ten
- (b) Five

- (c) Four
- (d) eleven
- (e) Three

50. If second alphabet in each of the words is changed to next alphabet in the English alphabetical order, how many words having no vowels will be formed?

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

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Alphabetical Series– Answer and Explanation

SOLUTIONS(1-5)

S1. Ans. (c)

RICH⇒CHIR, PICK⇒CIKP, FLAT⇒AFLT,
SOUL⇒LOSU, ROAR⇒AORR

Hence, none such word remain unchanged

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S2. Ans. (e)

FLAT PICK RICH ROAR SOUL

S3. Ans. (a)

RICI PICL FLAU SOUM ROAS

Hence, four word has two vowel if the last letter of all the words is changed to the next letter of the English alphabet.

S4. Ans. (b)

RICH PICK FLAT SOUL ROAR

Hence, five word has between O and I in the English alphabet.

I J K L M N O

S5. Ans. (e)

QJBG OJBJ EKBS RPKV QPBQ

Hence, Only OJBJ and EKBS has one vowel.

SOLUTIONS (6-10)

S6. Ans. (c)

TUB⇒BUT, HUB⇒BUH, MUG⇒GUM, PAR⇒RAP, FOR⇒ROF

S7. Ans. (d)

TUB PAR MUG HUB FOR

S8. Ans. (c)

SUB GUB LUG OAR EOR

Hence, two word has two vowel if the first letter of all the words is changed to the next letter of the English alphabet.

S9. Ans. (e)

TUB HUB MUG PAR FOR

Hence, seven word has between M and U in the English alphabet.

M N O P Q R S T U

S10. Ans. (a)

SVA GVA LVF OBQ EPQ

Hence, There are four words which has one vowel.

SOLUTIONS (11-15)

S11. Ans. (e)

LEAK⇒LEAL, PEST⇒PESU, CHOK⇒CHOL, TENT⇒TENU, LOKI⇒LOKJ

S12. Ans. (a)

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CHOK LEAK LOKI PEST TENT

S13. Ans. (d)

KEAK OEST BHOK SENT KOKI

Hence, Three word has two vowel if the first letter of all the words is changed to the next letter of the English alphabet.

S14. Ans. (d)

LEAK PEST CHOK TENT LOKI

Hence, Fourteen word has between E and T in the English alphabet.

E F G H I J K L M N O P Q R S T

S15. Ans. (e)

KFBJ OFRS BGPJ SFMS KPJJ

Hence, There are four words which has NO vowel.

SOLUTIONS (16-20)

S16. Ans. (e)

LAPE CUTE CARE SOON HIDE

LAPE⇒LAQE, CUTE⇒CUUE, CARE⇒CASE, SOON⇒SOPN, HIDE⇒HIEE

S17. Ans. (a)

CARE CUTE HIDE LAPE SOON

S18. Ans. (b)

KAOE BUSE BAQE ROOM GICE

Hence, One word has atleast three vowel.

S19. Ans. (b)

LAPE CUTE CARE SOON HIDE

Hence, five word has between L and R in the English alphabet.

L M N O P Q R

S20. Ans. (c)

BAPE BUTE BARE BOON BIDE

Hence, There are two meaningful words i.e. Bare and Boon.

SOLUTIONS (21-25)

S21. Ans. (c)

TAPE⇒PATE, LATE⇒TALE, DONE⇒NODE, FOOT⇒OOF, SUIT⇒IUST

S22. Ans. (b)

DONE FOOT LATE SUIT TAPE

S23. Ans. (b)

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SBOF KBSF CPMF EPPS RVJS

Hence, Two word has atleast One vowel.

S24. Ans. (e)

TAPE LATE DONE FOOT SUIT

Hence, FOUR word has between O and T in the English alphabet.

O P Q R S T

S25. Ans. (a)

TAPE LATE DONE FOOT SUIT

UAPE MATE EONE GOOT TUIT

SOLUTIONS (26-30)

S26. Ans. (c)

LEFT POST QUIZ PAID MORE

LEFT ⇒ FELT, POST ⇒ SOPT, QUIZ ⇒ IUQZ, PAID ⇒ IAPD, MORE ⇒ ROME

S27. Ans. (a)

LEFT POST QUIZ PAID MORE

LEFT MORE PAID POST QUIZ

S28. Ans. (d)

LEFT POST QUIZ PAID MORE

KFES OPRS PVJY OBJC LPQF

Hence, three word has atleast one vowel.

S29. Ans. (c)

LEFT POST QUIZ PAID MORE

Hence, Six words has between I and P in the English alphabet.

I J K L M N O P

S30. Ans. (a)

LEFT POST QUIZ PAID MORE

LFET PPST QVIZ PBID MPRE

SOLUTIONS (31-35)

S31. Ans. (c)

SORT ABLE BOND DUKE GIFT

SORT ⇒ OSRT, ABLE ⇒ BALE, BOND ⇒ OBND, DUKE ⇒ UDKE, GIFT ⇒ IGFT

S32. Ans. (a)

SORT ABLE BOND DUKE GIFT

SORT GIFT DUKE BOND ABLE

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Hence, only SORT will remains on same position.

S33. Ans. (d)

SORT ABLE BOND DUKE GIFT

RPQS BAKF APMC CVJF FJES

Hence, three word has atleast one vowel.

S34. Ans. (a)

SORT ABLE BOND DUKE GIFT

Hence, Eleven word has between S and G in the English alphabet.

G H I J K L M N O P Q R S

S35. Ans. (b)

SORT ABLE BOND DUKE GIFT

SOST ABME BOOD DULE GIGT

Hence, THREE word has two vowel.

SOLUTIONS (36-40)

S36. Ans. (e)

FUEL ⇒ EUFL, HARM ⇒ RAHM, ITEM ⇒ ETIM,
KNOW ⇒ ONKW, LACK ⇒ CALK

S37. Ans. (c)

LACK KNOW ITEM HARM FUEL

S38. Ans. (b)

FUEL HARM ITEM KNOW LACK

EVFK GBQL JSFL JMPV KBBJ

S39. Ans. (C)

FUEL HARM ITEM KNOW LACK

Hence, Six word has between H and O in the English alphabet.

H I J K L M N O

S40. Ans. (b)

FUEL HARM ITEM KNOW LACK

GUEL IARM JTEM LNOW MACK

SOLUTIONS (41-45)

S41. Ans. (d)

MAIL GROW COST HOUR LOVE

MAIL ⇒ IAML, GROW ⇒ ORGW, COST ⇒ SOCT,
HOUR ⇒ UOHR, LOVE ⇒ VOLE

S42. Ans. (a)

COST GROW HOUR LOVE MAIL

S43. Ans. (b)

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MAIL GROW COST HOUR LOVE

LBJK FQPV BPRS GPVQ KPUF

S44. Ans. (C)

MAIL GROW COST HOUR LOVE

Hence, Six word has between S and L in the English alphabet.

L M N O P Q R S

S45. Ans. (b)

MAIL GROW COST HOUR LOVE

NAIL HROW DOST IOUR MOVE

SOLUTIONS (46-50)

S46. Ans. (d)

ACID SIDE POOL DESK BOAT

ACID ⇒ CAID, SIDE ⇒ ISDE, POOL ⇒ OPOL, DESK ⇒ EDSK, BOAT ⇒ OBAT

S47. Ans. (a)

ACID SIDE POOL DESK BOAT

ACID BOAT DESK POOL SIDE

S48. Ans. (c)

ACID SIDE POOL DESK BOAT

BBJC RJCF OPPK CFRJ APBS

S49. Ans. (a)

ACID SIDE POOL DESK BOAT

Hence, Ten words has between D and O in the English alphabet.

D E F G H I J K L M N O

S50. Ans. (b)

ACID SIDE POOL DESK BOAT

ADID SJDE PPOL DFSK BPAT

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Coding Decoding Number Symbol-Based Condition

Direction 1-5: In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on

the following coding system and the steps given and mark the number of that combination as your answer:

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Numb	^	2)	5	#	(1	8	*	3	7	6	%	@	4
ers /															
Symb															
ols															
Letter	Z	D	G	T	Y	W	H	L	A	O	F	P	R	B	X
s Code															

Steps to be followed as per the given order:

(1) All the numbers are to be sorted in descending order and then written in the place of numbers only, i.e., the place of symbols should not be shifted or changed.

(2) In the series obtained after the step one if it contains any number followed by the symbol then the places of that number and the symbol should be interchanged.

(3) If a number is followed by another number then add the two numbers to obtain the new series thus formed.

The new series which will be formed by following the above steps will be then coded according to the table values given above.

1) What is the code for 47%3@#1?

- a. FRXOBYH
- b. FROXSYH
- c. FRXBOYH
- d. XFRXBYX
- e. FROBSYH

2) What is the code for 1@)2(*3?

- a. BOGWDAH
- b. BOGHWAOW

c. BOSDWAH

d. HBSHWAOW

e. BHGDWAH

3) What is the code for 56^8%#@?

a. LPSZRYT

b. LZPTRYB

c. TPLSRYB

d. LZPRTYB

e. TPSTRYB

4) What is the code for ^4(*68)?

a. ZXWAPLG

b. ZWLAPGX

c. HXSAPLZ

d. ZXWSPLG

e. GXWSPLZ

5) What is the code for 2*31% 5@?

a. ARLDBH

b. ALRBDH

c. ALRDBH

d. ALRDHB

e. None of these

. Direction 6-10 : In each question below is given a group of numbers / symbols followed by five

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combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the steps given and mark the number of that combination as your answer:

Numbers /	\$	6	@	8	%	>	7	2	+	*	4
Symbols											

Letters Code	C	F	N	Q	W	U	M	P	A	O	G	P	H	B	I
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Steps to be followed as per the given order:

- (1) All the numbers are to be sorted in ascending order and then written in the place of numbers only
- (2) In the series obtained after the step one if it contains number preceded by symbol than both should interchange
- (3) If odd number is followed by even number then subtract the lower number from higher number to obtain the new series thus formed.

The new series which will be formed by following the above steps will be then coded according to the table values given above.

6) What is the code for 72*6@?

- a. PEMON
- b. PFNON
- c. PFMUN
- d. PFMON
- e. None of these

7) What is the code for 49+>%?

- a. GPATW
- b. GPAUW
- c. GPAUV
- d. GQAUW

e. GPQUW &

8) What is the code for 86&*4?

- a. GFIPO
- b. GEIQO
- c. GFIQN
- d. GFIQO
- e. None of these

9) What is the code for +49<@?

- a. None of these
- b. GAPHN
- c. GAPGN
- d. GAOHN
- e. GAPHJ

10) What is the code for 68\$%2?

- a. PECQW
- b. PFDQW
- c. PFCQV
- d. PFCQW
- e. None of these

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Direction 11-15: In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the steps given and mark the number of that combination as your answer:

Letter	*	&	+	A	@	I	#	>	O	\$	^	U	=	E	%
rs /															
Symb															
ols															
Letter	S	N	H	1	K	9	P	R	6	F	W	_	M	5	D
rs															
Code															

Steps to be followed as per the given order:

(1) The vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last in English alphabet series will placed at the extreme right end.

(2) In series obtained after the step one if a vowel whose numerical position is a perfect square in English alphabet series is immediately followed by symbol than that vowel should place immediately right to the symbol placed third to the right of the element placed at the extreme left end after step one.

(3) In the series obtained after the step two if a vowel whose numerical position is a prime number is followed by symbol then the position of that will be changed to the immediate left of the vowel placed at extreme right end

The new series which will be formed by following the above steps will be then coded according to the table values given above.

11) What is the code for I#>O\$^?

- a. P9RFW6
- b. PRF9W6
- c. RPF96W
- d. PR9FW6
- e. PRF96W

12) What is the code for U@E+%?

- a. KHD53
- b. KD35H
- c. KDH59
- d. K5HD9
- e. None of these

13) What is the code for A#IO^=?

- a. 1PM9W6
- b. 1PWM96
- c. 1WM9P6
- d. 196WM
- e. None of these

14) What is the code for +U>*EO?

- a. H3R5S6
- b. HR6S53
- c. HRS563
- d. HR5S63
- e. None of these

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15) What is the code for &+A@I%?

- a. NH1KD9
- b. 1NH9DK
- c. NH1K9D
- d. 1NHK9D
- e. None of these

16-20) In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer:

Number / Symbols	5	7	6	3	@	#	+	*	8	%	1	\$	&	4	2
Letter Code	T	A	N	R	O	V	B	S	M	P	C	U	G	L	X

Conditions:

- (1) If the third element is a prime number and the last element is a symbol then that prime number is to be used as the code for the symbol.
- (2) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.
- (3) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

16) What is the code for %1\$8&?

- a. PCIGG

- b. PCUFG
- c. PDUGG
- d. PCMGG
- e. None of these

17) What is the code for 5#6+23?

- a. TVBBXR
- b. TVNBXR
- c. TVVBCR
- d. TVVNCR
- e. None of these

18) What is the code for 3*5@#&?

- a. R5SOVG
- b. RSOOVG
- c. RSTOVG
- d. RSTTVG
- e. None of these

19) What is the code for \$@+5#*?

- a. OUTBVS
- b. UBOTSV
- c. UOBTVS
- d. OUSTBV
- e. None of these

20) What is the code for 2#837+?

- a. VXAMMB

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- b. VXMBAB
- c. XBVMBA
- d. XVBMAB
- e. None of these

21-25) In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer:

Letter	o	u	a	s	f	e	r	n	m	p	h	c	b	t	w
Coded Symbol/Number	7	%	&	@	\$	#	8	=	+	*	<	>	3	!	5

Conditions:

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then all the consonants should be changed to next vowel and rest alphabet should be coded as the given symbol

(2) If there are more than five consonants then the codes of the third and the fourth letter have to be interchanged.

(3) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

(Note: If more than one condition apply then conditions will be apply one by one)

21) What is the code for ‘transfer’?

- a. @88!@\$88
- b. #88!@\$88

- c. \$88!@\$88
- d. !88&@\$88
- e. None of these

22) What can be the code of the word “between”?

- a. 3#!5##=
- b. 3#!#5#=
- c. 3#!##5=
- d. 3#!5=#5
- e. None of these

23) What can be the code of the word “superwoman”?

- a. @%*#857+&=
- b. @%#*857+&=
- c. @%#*758+&=
- d. @%#*758&+=
- e. None of these

24) What can be the code of the word “Counterman”?

- a. >7=!%#8+&=
- b. >7=%!#8+&=
- c. >7%=!#8+&=
- d. >=%7!#8+&=
- e. None of these

25) What can be the code of the word “Perfume”?

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a. *#8*%*#

b. *#8%%*#

c. *8#*%*#

d. *#**%*#

e. None of these

26-30) In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer:

Letters	J			T		I							
		K	S		Y		U	O	E	A			
Codes	%				%								
		!	2	X	@		!	2	X	@			

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

Note- More than one condition may be applied.

26) What is the code of IKST?

a. ×!2%

b. %@!2

c. !%2@

d. %!2×

e. %!2%

27) What is the code for EKUY?

a. ×22%

b. @22×

c. ×!!%

d. ×2!%

e. None of these

28) What is the code for SKETJ?

a. 2!××2

b. 2!@@2

c. @2!!×

d. 2@!@2

e. !2×@!

29) What is the code for TSIA?

a. @2%×

b. @%2×

c. @2% @

d. 2% @×

e. 2% @2

30) What is the code for KIOY?

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- a. !%2!
- b. !2%!
- c. !2% @
- d. !2@%
- e. None of these

31-35) In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer:

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

Rest alphabets of English alphabetical series should be written as 1-8 (for ex- B is coded as 1, C-2.....K-8) and again those numbers get repeated (for ex- L-1, M-2.....so on).

Conditions:

(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *.

(If the word does not satisfy the conditions given above then the letters of that word are to be coded as per the directions given above)

31) What can be the code of ‘CAPS LOCK’?

- a. ©@4© ©2&©
- b. ©4@© ©&2©

- c. ©@4© ©&2©
- d. \$@4© ©&2©
- e. None of these

32) What can be the code of ‘ODD WEATHER’?

- a. *3@ ©#@86#©
- b. *2* ©#@86#©
- c. *3* ©#@68#©
- d. *3* ©#@8#6©
- e. None of these

33) What can be the code of ‘OLIVE BOARD’?

- a. &%11# ©&@6©
- b. &1%1# ©&6@©
- c. &1%1# ©@&6©
- d. &1%1# ©&@6©
- e. None of these

34) What can be the code of ‘NEVER GIVEUP’?

- a. ©#1#© ©%1\$#©
- b. ©#1#© ©%#1\$©
- c. ©##1© ©%1#\$\$©
- d. ©#1#© ©%1#\$\$©
- e. None of these

35) What can be the code of ‘KEYBOARD’?

- a. ©\$41@6#©
- b. ©\$41@#6©

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c. ©\$41@©6#

d. ©\$14@#6©

e. None of these

36-40) In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer: Note: More than one condition may apply.

Letter	R	G	F	A	P	Q	U	N	E	I	K	J	S	O	H
Digit/Sy mbol	#	2	7	μ	%	3	&	9	1	@	5	©	6	8	\$

Conditions:

- (i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.
- (ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.
- (iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.
- (iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.
- (v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

36) What can be the code of ANSHIKA?

a. μ96\$5@μ

b. μ96\$5@\$

c. μ9@6\$5μ

d. μ96@\$5μ

e. None of these

37) What can be the code of RFKOSH?

a. 7558\$5

b. 758\$55

c. 57585\$

d. 7585\$5

e. None of these

38) What can be the code of NIHONE?

a. \$@\$8\$@\$

b. \$1@8\$@\$

c. \$1\$8\$@\$

d. \$1\$7\$@\$

e. None of these

39) What can be the code of HSJEQP?

a. 6©1@%©

b. 6©1©\$©

c. 6©1©%6

d. 6©1©%©

e. None of these

40) What can be the code of AROHIS?

a. 6@8\$@6

b. 6#8\$#6

c. 6@6\$#6

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d. 6@8\$#6

e. None of these

41-45) In each of the questions given below, a group of letters is given followed by four combinations of symbols/numbers (A), (B), (C) and (D). You have to find out which of the four combinations correctly represents the group of letters based on the symbol/number codes and the conditions given below. If none of the four combinations represents the group of digits correctly, give (E) 'None of these' as the answer.

Letter	K	Z	M	Q	A	B	S	E	D	P	I	L	X	O	C	U
Digit/Symbol	2	3	@	7	%	#	1	6	0	8	5	!	4	+	\$	9

Conditions:

(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

(d) If the both first and last letter of the word are consonant, then both are coded as &.

41) What can be the code of ALXBC?

a. \$!4#\$

b. %!4#\$

c. \$!#4\$

d. \$4#!\$

e. None of these

42) What can be the code of SMZPQ?

a. 1@387

b. &3@8&

c. 7@381

d. &83@&

e. None of these

43) What can be the code of OPDCM?

a. @08%3

b. @08^3

c. @80^@

d. 3%80+

e. None of these

44) What can be the code of BELXU?

a. #4!69

b. #6!49

c. 6#!46

d. #6!94

e. None of these

45) What can be the code of IBXCU?

a. 5#4^9

b. 94#^5

c. 59#4^

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d. 9#4^5

e. None of these

Direction 46-50: In each question below is given a group of numbers / symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers / symbols based on the following coding system and the steps given and mark the number of that combination as your answer:

Numb	#	7	3	&	*	+	=	@	5	9	%	\$	1	!	>
ers /															
Symb															
ols															

Letter	Z	A	I	T	Y	W	H	L	E	O	F	P	U	C	R
s															
Code															

Conditions

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and 2nd vowel according to English alphabetical series respectively

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

46) What is the code for WHALE?

a. +7=@5

b. +=7@5

c. 7=7@5

d. 7==@=

e. None of these

47) What is the code for POWERFUL?

a. @955%>19

b. 5955%>19

c. 5955>%19

d. \$955>%1@

e. None of these

48) What is the code for PARTY?

a. \$7>&*

b. 7\$>&*

c. \$7&&*

d. \$7&>*

e. None of these

49) What is the code for WHITE?

a. +3=55

b. +=355

c. 5==5=

d. 5=353

e. None of these

50) What is the code for LUCIFER?

a. 5133555

b. 5133353

c. 5135553

d. 5133553

e. None of these

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Coding Decoding Number Symbol-Based Condition – Answer and Explanation

Solution 1

- (i) Descending order arrangement of numbers
74%3@#1.
- (ii) Interchanging places of number followed by the symbol 7%4@3#1.
- (iii) No number is followed by another number; therefore, the series obtained is 7%4@3#1.
Hence, 7%4@3#1 will be coded as FRXBOYH.

Solution 2

- (i) Descending order arrangement of numbers 3@)2(*1.
- (ii) Interchanging places of number followed by the symbol @3)(2*1.
- (iii) No number is followed by another number; therefore, the series obtained is @3)(2*1.
Hence, @3)(2*1 will be coded as BOGWDAH.

Solution 3

- (i) Descending order arrangement of numbers 86^5%#@.
- (ii) Interchanging places of number followed by the symbol 8^6%5#@.
- (iii) No number is followed by another number; therefore, the series obtained is 8^6%5#@.
Hence, 8^6%5#@ will be coded as LZPRTYB.

Solution 4

- (i) Descending order arrangement of numbers ^8(*64).
- (ii) Interchanging places of number followed by the symbol ^8(*64.
- (iii) No number is followed by another number; therefore, the series obtained is ^8(*64.
Hence, ^8(*64 will be coded as ZWLAPGX.

Solution 5

- (i) Descending order arrangement of numbers 5*32%1@
- (ii) Interchanging places of number followed by the symbol *53%2@1
- (iii) one number is followed by another number; therefore, the series obtained is *8%2@1
Hence, *8%2@1 will be coded as ALRDBH

Solution 6

- (i) Ascending order arrangement of numbers 26*7@
- (ii) Interchanging places of number preceded by the symbol 267*@
- (iii) No odd number is followed by even number; therefore, the series obtained is 267*@
Hence, 267*@ will be coded as PFMON

Solution 7

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- (i) Ascending order arrangement of numbers 49+>%
 - (ii) Interchanging places of number preceded by the symbol 49+>%
 - (iii) No odd number is followed by even number, therefore, the series obtained is 49+>%
- Hence, 49+>% will be coded as GPAUW.

Solution 8

- (i) Ascending order arrangement of numbers 46&*8
 - (ii) Interchanging places of number preceded by the symbol 46&*8
 - (iii) No odd number is followed by even number, therefore, the series obtained is 46&*8
- Hence, 46&*8 will be coded as GFIQO

Solution 9

- (i) Ascending order arrangement of numbers +49<@
 - (ii) Interchanging places of number preceded by the symbol 4+9<@.
 - (iii) No odd number is followed by even number, therefore, the series obtained is 4+9<@.
- Hence, 4+9<@ will be coded as GAPHN

Solution 10

- (i) Ascending order arrangement of numbers 26\$%8
 - (ii) Interchanging places of number preceded by the symbol 26\$8%
 - (iii) No odd number is followed by even number, therefore, the series obtained is 26\$8%
- Hence, 26\$8% will be coded as PFCQW

Solution 11

- (i) Vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last will placed at the extreme right end.
I#>O\$^ —I#>\$^O
- (ii) After step-1 if a vowel whose numerical position is a perfect square is immediately followed by symbol than that vowel should place immediately right to the element

placed third to the right of the element placed at the extreme left end.

As I is the vowel whose numerical position is a perfect square.

I#>\$^O —#>\$I^O

- (iii) After step-2 if a vowel whose numerical position is a prime number is followed by symbol then the position of that vowel will be changed to the immediate left of the vowel placed at extreme right end.

As in the series we got after step -2 has no vowels whose numerical position is a prime number so no change will occur in the series after step -2

Now, the new series which will be formed by following the above steps will be then coded according to the table values given

Hence, #>\$I^O will be coded as PRF9W6

Solution 12

- (i) Vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last will placed at the extreme right end.

U@E+% —E@+%U

- (ii) After step-1 if a vowel whose numerical position is a perfect square is immediately followed by symbol than that vowel should place immediately right to the element placed third to the right of the element placed at the extreme left end.

As there will be no change as no element is present whose numerical position is a perfect square.

E@+%U

- (iii) After step-2 if a vowel whose numerical position is a prime number is followed by symbol then the position of that vowel will be changed to the immediate left of the vowel placed at extreme right end.

As in the series we got after step -2 has one vowel whose numerical position is a prime number.

@+%EU

Now, the new series which will be formed by following the above steps will be then coded according to the table values given

The code of U is not given but if we see the pattern of vowels, they are coded as the sum of digits of their numerical position. So U is coded as 21 = 2+1 = 3
Hence, U@E+% will be coded as KHD53

Solution 13

(i) Vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last will placed at the extreme right end.

A#IO^= ~~A#I~~=O

(ii) After step-1 if a vowel whose numerical position is a perfect square is immediately followed by symbol than that vowel should place immediately right to the element placed third to the right of the element placed at the extreme left end.

As I is the vowel whose numerical position is a perfect square.

A#I^=O ~~A#I~~=IO

(iii) After step-2 if a vowel whose numerical position is a prime number is followed by symbol then the position of that vowel will be changed to the immediate left of the vowel placed at extreme right end.

As in the series we got after step -2 has no vowel whose numerical position is a prime number.

A#^=IO

Now, the new series which will be formed by following the above steps will be then coded according to the table values given

Hence, A#IO^= will be coded as 1PWM96

Solution 14

(i) Vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last will placed at the extreme right end.

+U>*EO ~~E~~→*OU

(ii) After step-1 if a vowel whose numerical position is a perfect square is immediately followed by symbol than that vowel should place immediately right to the element placed third to the right of the element placed at the extreme left end.

As there will be no change as no element is present whose numerical position is a perfect square

E+>*OU

(iii) After step-2 if a vowel whose numerical position is a prime number is followed by symbol then the position of that vowel will be changed to the immediate left of the vowel placed at extreme right end.

As in the series we got after step -2 has one vowel whose numerical position is a prime number i.e. E

E+>*OU ~~E~~→*EOU

Now, the new series which will be formed by following the above steps will be then coded according to the table values given

The code of U is not given but if we see the pattern of vowels, they are coded as the sum of digits of their numerical position. So U is coded as 21 = 2+1 = 3
Hence, +>*EOU will be coded as HRS563

Solution 15

(i) Vowel which comes first in English alphabet series will place at the extreme left end and the vowel which come last will placed at the extreme right end.

&+A@I% → A&+@%I

(ii) After step-1 if a vowel whose numerical position is a perfect square is immediately followed by symbol than that vowel should place immediately right to the element placed third to the right of the element placed at the extreme left end.

As I is the vowel whose numerical position is a perfect square.

A&+@%I ~~A~~→A&+@I%

(iii) After step-2 if a vowel whose numerical position is a prime number is followed by symbol then the position of that vowel will be changed to the immediate left of the vowel placed at extreme right end.

As in the series we got after step -2 has no vowel whose numerical position is a prime number

Now, the new series which will be formed by following the above steps will be then coded according to the table values given

Hence, A&+@I% will be coded as 1NHK9D

Solution 16

a) If Third element is a prime number and the last element is a symbol than prime number is to be used as the code for the symbol.

%1\$8&

There are no prime numbers

b) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.

%1\$8&

1 is a odd number present in the series

c) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

Hence 8 is preceded by symbol so 8 will be coded as G
Code for %1\$8& is PCUGG

Solution 17

a) If Third element is a prime number and the last element is a symbol than prime number is to be used as the code for the symbol.

5#6+23

There are three prime numbers but not the third element is a prime number.

b) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.

5#6+23

Two odd numbers are present in the series

c) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

Hence 6 is preceded by symbol so 6 will be coded as B
Code for 5#6+23 is TVBBXR

Solution 18

a) If Third element is a prime number and the last element is a symbol than prime number is to be used as the code for the symbol.

3*5@#&

There are two prime numbers and the third element is a prime number.

So 5 is coded as code for @ i.e. O

b) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.

3*O@#&

One odd number is present in the series

c) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

No even number is present

Code for 3*5@#& is RSOOVG

Solution 19

a) If Third element is a prime number and the last element is a symbol than prime number is to be used as the code for the symbol.

\$@+5#*

There is one prime numbers and but the third element is not a prime number.

b) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.

\$@+5#*

One odd number is present in the series

c) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

No even number is present

Code for \$@+5#* is UOBTVS

Solution 20

a) If Third element is a prime number and the last element is a symbol than prime number is to be used as the code for the symbol.

2#387+

There is three prime numbers and the third element is a prime number.

So 3 is coded as the code of +

b) If there are no odd numbers then the codes of the third and the fourth elements have to be interchanged.

2#387+

Two odd numbers is present in the series

c) If an even number is immediately preceded by symbols then the even number is to be coded as its next number/symbol.

Even number is not preceded by symbol

Code for 2#387+is XVBMAB

Solution 21

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then codes of both will be same as code of 1st letter of the given word

Hence, this condition follows

‘transfer’ - !8&!@\$!8

b) If there are more than five consonants then the codes of the third and the fourth letter have to be interchanged.

Hence, this condition follows

transfer’ - !8!&@\$!8

c) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

Hence, this condition follows

transfer’ - !88&@\$88

Solution 22

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then codes of both will be same as code of 1st letter of the given word

Hence, this condition does not follow.

b) If there are more than five consonants then the codes of the third and the fourth letter have to be interchanged.

Hence, this condition does not follow

c) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

Hence, this condition does not follow

Therefore the code be will same as code given in table.

between – 3#!5##=

Solution 23

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then codes of both will be same as code of 1st letter of the given word

Hence, this condition does not follow

b) If there are more than six consonants then the codes of the third and the fourth letter have to be interchanged.

Hence, this condition follows

“superwoman” - @%#*857+&=

c) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

Hence, this condition does not follow

Therefore the code be will same as code given in table.

superwoman” - @%#*857+&=

Solution 24

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then codes of both will be same as code of 1st letter of the given word

Hence, this condition does not follow.

b) If there are more than six consonants then the codes of the third and the fourth letter have to be interchanged.

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Hence, this condition follows

Counterman - >7=%!#8+&=

c) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

Hence, this condition does not follow

Hence, 'Counterman' is coded as - >7=%!#8+&=

Solution 25

(1) If the seventh alphabet is a vowel and the fourth alphabet is a consonant then codes of both will be same as code of 1st letter of the given word

Hence, this condition follows.

"Perfume" - *#8*%*#

b) If there are more than six consonants then the codes of the third and the fourth letter have to be interchanged.

Hence, this condition does not follow

c) If second and last letter is consonant then the code of vowel present in the word will be changed to code of last consonant

Hence, this condition does not follow

Therefore the code of "Perfume" will be - *#8*%*#

Solution 26

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

This condition follows

IKST - ×!2%

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

This condition does not follows

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

This condition does not follows

iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

This condition does not follows

Hence, Code of IKST - ×!2%

Solution 27

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

This condition follows

EKUY- @!!×

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

This condition does not follows

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

This condition does not follows

iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

This condition follows

Hence, Code of IKST - @22×

Solution 28

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

This condition does not follows

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

This condition does not follows

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

This condition follows

Code of SKETJ - 2!EX%

iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

This condition follows

Hence, Code of SKETJ - 2!@@2

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Solution 29

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

This condition does not follow

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

This condition follows

TSIA - @2%%@

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

This condition does not follow iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

This condition does not follow

Solution 30

Conditions:

i) If the first element is a vowel then the codes of first and last elements are to be interchanged.

This condition does not follow

ii) If the last element is vowel then code of last and first to be coded as the code of the last digit.

This condition does not follow

iii) If the first and last element is consonant then the codes of both the element are to be coded as the code of the first element.

This condition follows

KIOY - !%2!

iv) If two elements with same codes are there in the arrangement then both should be coded as the code of the next(succeeding) elements given in the above series.

This condition does not follow

Solution 31

In this new pattern coding decoding each letter, except vowel, is assigned a number from 1-8 So, B-1, C-2, D-3,

F-4, G-5, H-6, J-7, K-8, L-1, M-2, N-3, P-4, Q-5, R-6, S-7, T-8, V-1, W-2, X-3, Y-4, Z-5.

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

This condition follow

‘CAPS LOCK’ is- ‘©@4© ©&2©’

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *

This condition does not follow

Hence, the code for ‘CAPS LOCK’ is- ‘©@4© ©&2©’

Solution 32

In this new pattern coding decoding each letter, except vowel, is assigned a number from 1-8 So, B-1, C-2, D-3, F-4, G-5, H-6, J-7, K-8, L-1, M-2, N-3, P-4, Q-5, R-6, S-7, T-8, V-1, W-2, X-3, Y-4, Z-5.

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

This condition follow

‘ODD WEATHER’ is- ‘@33 ©#@86#©’

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *

This condition follow

Hence, the code for ‘ODD WEATHER’ is - ‘*3*

©#@86#©’

Solution 33

In this new pattern coding decoding each letter, except vowel, is assigned a number from 1-8 So, B-1, C-2, D-3, F-4, G-5, H-6, J-7, K-8, L-1, M-2, N-3, P-4, Q-5, R-6, S-7, T-8, V-1, W-2, X-3, Y-4, Z-5.

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

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(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

This condition follow

OLIVE BOARD’ - ‘&1%1# ©&@6©’.

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *

This condition does not follow

Hence, the code for OLIVE BOARD’ is - ‘&1%1#

©&@6©’.

Solution 34

In this new pattern coding decoding each letter, except vowel, is assigned a number from 1-8 So, B-1, C-2, D-3, F-4, G-5, H-6, J-7, K-8, L-1, M-2, N-3, P-4, Q-5, R-6, S-7, T-8, V-1, W-2, X-3, Y-4, Z-5.

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

This condition follow

‘NEVER GIVEUP’ is– ‘©#1#© ©%1#©\$©’

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *.

This condition does not follow

Hence, the code for ‘NEVER GIVEUP’ is– ‘©#1#©

©%1#©\$©’

Solution 35

In this new pattern coding decoding each letter, except vowel, is assigned a number from 1-8 So, B-1, C-2, D-3, F-4, G-5, H-6, J-7, K-8, L-1, M-2, N-3, P-4, Q-5, R-6, S-7, T-8, V-1, W-2, X-3, Y-4, Z-5.

Letters	A	I	E	O	U
Codes	#	\$	%	@	&

(i) If both first and last letter of a word is consonant then the codes of both the letters are coded as ‘©’.

This condition follow

‘KEYBOARD – ©\$41 @#6©

(ii) If first letter of a word is vowel and last letter is consonant then both are to be coded as *

This condition does not follow

Hence, the code for KEYBOARD is – ©\$41 @#6©

Solution 36

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

This condition does not follow

(ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.

This condition does not follow

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.

This condition does not follow

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

This condition does not follow

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

This condition does not follow

Hence, the code for ANSHIKA will be µ96\$@5µ

Solution 37

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

This condition does not follow

(ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.

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This condition does not follow

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.

This condition does not follow

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

This condition follow

RFKOSH- 57585\$

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

This condition follow

Hence, the code for RFKOSH will be 7585\$5

Solution 38

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

This condition does not follow

(ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.

This condition follow

NIHONE -91\$89@

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.

This condition does not follow

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

This condition follow

NIHONE -\$1\$8\$@

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with

code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

This condition does not follow

Hence, the code for NIHONE will be \$1\$8\$@

Solution 39

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

This condition does not follow

(ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.

This condition does not follow

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.

This condition does not follow

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

This condition follow

HSJEQP - ©6©9©%

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

This condition follow

Hence, the code for HSJEQP will be 6©1©%©

Solution 40

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

This condition follow

AROHIS – 6#8\$@6

(ii) If both the 2nd letter and the last letter is vowel, then their codes are to be interchanged.

This condition does not follow

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, then both are to be coded as the code for the vowel.

This condition follow

AROHIS – 6@8\$@6

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

This condition does not follow

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

This condition does not follow

Hence, the code for AROHIS will be 6@8\$@6

Solution 41

(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

This condition does not follow

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

This condition follow

ALXBC - \$!4#\$

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

This condition does not follow

(d) If the both first and last letter of the word are consonant, then both are coded as &.

This condition does not follow

Hence, the code for ALXBC will be \$!4#\$

Solution 42

(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

This condition does not follow

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

This condition does not follow

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

This condition does not follow

(d) If the both first and last letter of the word are consonant, then both are coded as &.

This condition follow

Hence, the code for SMZPQ will be &@38&

Solution 43

(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

This condition does not follow

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

This condition follow

OPDCM - @80^@

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

This condition does not follow

(d) If the both first and last letter of the word are consonant, then both are coded as &.

This condition does not follow

Hence, the code for OPDCM will be @80^@

Solution 44

(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

This condition does not follow

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

This condition does not follow

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

This condition does not follow

(d) If the both first and last letter of the word are consonant, then both are coded as &.

This condition does not follow

Hence, the code for BELXU will be #6!49

Solution 45

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(a) If the first and fourth letter of the word is vowel, then both are coded as first letter.

This condition does not follow

(b) If the first letter is vowel and last letter is consonant, then both are coded as last letter.

This condition does not follow

(c) If the both first and last letter of the word is vowel, then the codes for both letters will be interchanged.

This condition follow

IBXCU - 9#4^5

(d) If the both first and last letter of the word are consonant, then both are coded as &.

This condition does not follow

Hence, the code for IBXCU will be 9#4^5

Solution 46

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

This condition follow

WHALE - +=7@5

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and 2nd vowel according to English alphabetical series respectively

This condition follow

WHALE - 7=7@5

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

This condition follow

Hence, the code for WHALE will be 7==@=

Solution 47

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

This condition follow

POWERFUL - \$955>%1@

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and

2nd vowel according to English alphabetical series respectively

This condition follow

POWERFUL - 5955>%19

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

This condition does not follow

Hence, the code for POWERFUL will be 5955>%19

Solution 48

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

This condition does not follow

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and 2nd vowel according to English alphabetical series respectively

This condition does not follow

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

This condition does not follow

Hence, the code for PARTY will be \$7>&*

Solution 49

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

This condition follow

WHITE - +=355

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and 2nd vowel according to English alphabetical series respectively

This condition follow

WHITE - 5=353

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

This condition follow

Hence, the code for WHITE will be 5==5=

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Solution 50

1) The letters which are immediately followed and immediately preceded by a Vowel are coded as code of the vowel which is immediately followed by the letter.

This condition follow

LUCIFER - @13355>

2) The words which contains more than one vowel their first and last letter should be coded as code of the 1st and

2nd vowel according to English alphabetical series respectively

This condition follow

LUCIFER - 5133553

3) If the third and last letter of the given word is vowel, then both are coded as code of Second letter.

This condition does not follow

Hence, the code for **LUCIFER** will be **5133553**

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Coding & Decoding New Pattern

Directions (1-5): Study the following information carefully and answer the questions given below:

In a code language,

“postal watch english paint” is coded as “7T, 9O, 20D, 19B”

“code society among series” is coded as “3U, 18F, 15O, 4E”

“number synchronous you lenovo” is coded as “14W, 14V, 21P, 13F”

“left north peru house” is coded as “6G, 18S, 21T, 18U”

1 How is the word ‘emotion’ coded?

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- a. 14P
- b. 15O
- c. 16P
- d. 15P
- e. None of these

2) 18S' is the code for which among the following?

- a. care
- b. cope
- c. drain
- d. duke
- e. None of these

3) Which among the following is correctly matched?

- a. capture – 17S
- b. cricket – 10F
- c. hopeful – 15G
- d. table – 2M
- e. None of these

4) How is the word 'every' coded?

- a. 5R
- b. 22F
- c. 5S
- d. 6R
- e. None of these

5) How is the phrase "soft corner" coded?

- a. 5F 19F
- b. 6G 18F
- c. 6H 18H
- d. 6O 19S
- e. None of these

Directions (6-10): Study the following information carefully and answer the questions given below:

In a code language,

"honour public clear vendor" is coded as "4B, 3N, 4N, 3E"

"watch wrapped optimist question" is coded as "5A, 4E, 4T, 5T"

"alphabets used Microsoft commerce" is coded as "2E, 6C, 6P, 5M"

"page curiously women" is coded as "5R, 3M, 2G"

6) How is the word 'Plastics' coded?

- a. 5S
- b. 5N
- c. 5A
- d. 6A
- e. None of these

7) What is the code for '2A'?

- a. Neat
- b. Plant
- c. Sister

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- d. Please
- e. None of these

8) Which among the following is correctly matched?

- a. move – 3O
- b. arrogant – 5R
- c. pencil – 3N
- d. mobile – 3C
- e. None of these

9) What is the code for ‘LIGHT’?

- a. 4K
- b. 5J
- c. 4G
- d. 4O
- e. None on these

10) What is the code for 3O?

- a. finger
- b. frooti
- c. four
- d. race
- e. None of these

Directions (11-15): Study the following information carefully and answer the questions given below:

In a certain language,

‘ROYAL BORE PACE AIMED’ is coded as ‘2G18 1F5 18N1 16G3’

‘OLIVER CLAIM READING BOUND’ is coded as ‘2F14 3O9 18I14 15T5’

‘FLIGHT HANDLE TOAST STAIRS’ is coded as ‘20V19 6V8 19U18 8G12’

‘TRINK ZONED LIGHT OFFERS’ is coded as ‘26F5 12V8 20M14 15U18’

11) What is the code for ‘BROAD’?

- a. 6F4
- b. 2F1
- c. 1B2
- d. 15D3
- e. None of these

12) ‘PROPER’ is coded as?

- a. 16O19
- b. 2T19
- c. 16T5
- d. 15C20
- e. None of these

13) ‘SEPARATE’ is coded as?

- a. 15I1
- b. 19V5
- c. 1A20
- d. 19G20

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e. None of these

14) What is the code for ‘BALANCE’?

a. 6G4

b. 2G3

c. 1B2

d. 5C3

e. None of these

15) ‘PROTEST’ is coded as?

a. 16O19

b. 12A19

c. 16V19

d. 15C20

e. None of these

Directions (16-20): Study the following information carefully and answer the given questions.

In a certain code language,

“pages are blank” is coded as “K7J, Z5W, Y7S”

“chocolate tastes sweet” is coded as “X11Y, G8J, H7J”

“dress colour is pink” is coded as “W7X, X8Z, R4N, K6S”

“confidence and peace” is coded as “X12H, Z5S, K7H”

“knowledge gives wisdom” is coded as “P11L, T7J, D8T”

16) What is the code for the word ‘Ambivalent’?

a. Z24L

b. P24M

c. Z12S

d. Q16M

e. None of these

17) What is the code for the word ‘Origami’?

a. D7S

b. L9R

c. E11T

d. M12B

e. None of these

18) How is ‘smart student’ coded?

a. J10G, R7H

b. J11G, J7H

c. H7W, H9S

d. H6W, H9S

e. None of these

19) How is the word “Philosophy” coded as?

a. K20B

b. K12M

c. L30B

d. L20B

e. None of these

20) What is the code for Peace?

a. X12H

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- b. Z5S
- c. K7H
- d. L20B
- e. None of these

Directions (21-25): Study the information below and answer the following question.

In a certain code language,

‘The rank wombat waves’ is written as ‘%e3 \$k4 @t6 @s5’.

‘An alcoholic advertises rank’ is written as ‘!n2 !c9 !s10 \$k4’.

‘Another terrifying viewpoint sleeps’ is written as ‘!r7 %g10 *t9 (s6’.

‘Nidhi sleeps at nine’ is written as ‘^i5 (s6 !t2 ^e4’.

21) How would the word ‘an’ be coded?

- a. !n2
- b. !a2
- c. *n2
- d. (n2
- e. ^a2

22) How would the word ‘sleeps’ be coded?

- a. (t6
- b. (s6
- c. ^t6
- d. (e6

- e. *s6

23) How would the sentence ‘Atmaram was a waste’ be coded?

- a. @s3 !a1 @m7 !e5
- b. !s3 @a1 !m7 @e5
- c. !s3 @a1 @m7 !e5
- d. @s3 !a1 !m7 @e5
- e. @s3 !a1 @m7 ie5

24) How would the sentence ‘toast was toasted to toaster’ be coded?

- a. %t5 @s3 %d7 %o2 %r7
- b. @t5 @s3 %d7 %o2 %r7
- c. %t5 @s3 @d7 %o2 %r7
- d. %t5 @s3 %d7 @o2 %r7
- e. @t5 @s3 @d7 @o2 %r7

25) How would the sentence ‘Nidhi Sleeps Alcoholic’ be coded?

- a. !i5 ^s6 (c9
- b. ^i5 !s6 (c9
- c. ^i5 (s6 !c9
- d. (i5 ^s6 !c9
- e. ^i5 (s6 (c9

Directions (26-30): Study the information below and answer the following question.

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In a certain code of language,

‘one apple daily please’ is written as ‘A\$ A@ B% B@’

‘doctor advised help better’ is written as ‘B% B& A^ B%’

‘almost all treat well’ is written as ‘A% B@ A\$ B&’

‘pollute airs thus rivers’ is written as ‘B^ A& B& B%’

26) Which of the following is the code for ‘Rain Starts Even’?

- a. B& B% A&
- b. A* A@ A&
- c. B& B% A@
- d. B% B* A\$
- e. None of these

27) The code ‘B% B&’ represents which of the following words?

- a. Must Done
- b. Patent Skip
- c. Hunger Over
- d. Engine Start
- e. None of these

28) The code ‘A%’ is represents which of the following word?

- a. Apple
- b. Train
- c. Orange

d. Ability

e. None of these

29) What is the code of ‘America Africa’?

- a. A^ B%
- b. A^ A%
- c. A@ A*
- d. B% B^
- e. None of these

30) What is the code of “SCHOOL”?

- a. B\$
- b. A&
- c. A^
- d. B%
- e. None of these

Directions (31-35) Study the information below and answer the following question.

In a code language,

“larson pink pride green” is coded as “S25E, S25F, J16O, B36P”

“pack trozen in hospital” is coded as “O4J, P64B, B16D, S36F”

“priority for flags hoping” is coded as “P9P, M25H, S64U, P36O”

“finance run fest process” is coded as “V9V, J49D, S49T, F16T”

31) How is the word ‘prominent’ coded?

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- a. R81N
- b. S64O
- c. R36N
- d. S81O
- e. None of these.

32) ‘B16U’ is the code for which among the following?

- a. fate
- b. card
- c. feared
- d. next
- e. None of these

33) Which among the following is correctly matched?

- a. sight – J16I
- b. main – B16J
- c. source – P36C
- d. mate – B16F
- e. None of these.

34) How is the word ‘scraped’ coded?

- a. D36F
- b. S49Q
- c. T49F
- d. D49F
- e. None of these

35) How is the phrase “green fruits” coded?

- a. R16F G25T
- b. H25O S25U
- c. S25F S36U
- d. R64P N16K
- e. None of these

Directions (36-40) Study the information below and answer the following question.

In a certain code of language,

‘much needed helps required’ is written as ‘14@G 9%R 19\$C 15&C’

‘climate lazy worker tests’ is written as ‘13@X 24&Q 4!D 21%R’

‘awards given with today’ is written as ‘2&R 8%M 24@G 21%X’

‘ready steady quiz decline’ is written as ‘19%X 5!D 18@Y 20&X’

36) How will the word ‘SCHOOL’ be coded as?

- a. 20!K
- b. 20@M
- c. 20&N
- d. 20&K
- e. None of these

37) How will ‘TRAIN LEFT STATION’ be coded as?

- a. 21%M 12@S 19!M
- b. 21&M 12!S 19!M

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- c. 21%M 13@S 20!M
- d. 21%M 13@S 19!M
- e. None of these

38) The code ‘3&C’ is coded from which of the following word?

- a. Beggar
- b. Behind
- c. Bihar
- d. Besides
- e. None of these

39) If code for the word ‘something better’ is ‘20#F 3&Q’ in the same language then what would be the code of ‘knowledge gain’?

- a. 12#D 8@M
- b. 11#D 7@M
- c. 12%D 6&M
- d. 10\$G 6%M
- e. 12@M 8#H

40) Which words are coded as ‘2\$C 14&X’?

- a. Assault and Youth
- b. Rebel and Define
- c. Assigned and Memory
- d. Dress and Kites
- e. None of these

Directions (41-45) Study the information below and answer the following question.

In a code language,

“random angry values alphabetical” is coded as “F6, L2, F16, E19”

“physics mystery an bowl” is coded as “G19, D24, B2, G4”

“again question revive copy” is coded as “D17, F23, E10, H16”

“fifteen wrongly sole replay” is coded as “G6, D13, F2, G13”

41) How is the word ‘society’ coded?

- a. G20
- b. F19
- c. G21
- d. T7
- e. None of these

42) ‘E20’ is the code for which among the following?

- a. common
- b. kiosk
- c. filler
- d. fleask
- e. None of these

43) Which among the following is correctly matched?

- a. daily – E11
- b. margin - G10

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c. single - F12

d. flicker – G6

e. None of these

44) How is the word ‘weighty’ coded?

a. G21

b. E23

c. F24

d. G20

e. None of these

45) How is the phrase “coming fast” coded?

a. F13 D19

b. E15 D20

c. F15 D20

d. F16 S21

e. None of these

Directions: (46-50) Study the information below and answer the following question.

In a code language,

“Gujarat warm picnic founder” is coded as “V@, J\$, P@, B#”

“orange pretend slower right” is coded as “J#, S\$, S@, M\$”

“hope summer search funny” is coded as “V\$, F\$, V#, P\$”

“rainy season pen smooth” is coded as “B\$, N\$, F#, F@”

46) How is the word ‘Resident’ coded?

a. F#

b. E@

c. E\$

d. F@

e. None of these.

47) Which word can be coded as ‘F\$’?

a. Movie

b. Promo

c. Demo

d. Prompt

e. Seating

48) Which among the following is correctly matched?

a. Shirt – I\$

b. Trousers – S\$

c. Maintain – B#

d. Rose – P\$

e. None of these

49) What is the code for “bring document”?

a. S# P@

b. P# S@

c. S@ O@

d. S# P\$

e. None on these

50) What is the code for “summer” ?

- | | |
|--------|------------------|
| a. V\$ | c. V# |
| b. F\$ | d. P\$ |
| | e. None of these |

Coding & Decoding New Pattern – Answer and Explanation

Solution (1-5)

The number in the code is the value (in alphabetical series) of the 3rd letter from the left end of each of the words.

The letter in the code is the immediate succeeding letter (in alphabetical series) of 2nd last letter of each of the words.

Example:

‘postal’

3rd letter from the left end is S, whose value in alphabetical series is ‘19’.

2nd last letter of the given word is A and its immediate succeeding letter (in alphabetical series) is B.

Therefore, the code for ‘postal’ is ‘19B’

1. D

2. A

3. D

4. C

5. B

Solution (6-10)

The number in each code is the number of consonants in the word.

The letter in each code is the 3rd letter of the word (from the left end).

Example:

‘honour’

The given word has 3 consonants.

3rd letter of the word (from the left end) is ‘N’.

Therefore, the code for ‘honour’ is ‘3N’.

6. D

7. A

8. B

9. C

10. B

Solution (11-15)

The coding language used to code the given sentences should be decoded in three steps.

Step I: The first element of the code is the alphabetical position of 1st element of the word.

Step II: The second element of the code is the 2nd succeeding alphabet as per English Alphabetical order of the last letter of the word.

Step III: The third element is the alphabetic position of the 2nd last element of the word.

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For example,

‘ROYAL’ is coded as ‘18N1’

First element R = 18

Last word + 2 = N

2nd last element A = 1

11. B

12. C

13. D

14. B

15. C

Solution (16-20)

1. The first element coding: The reverse alphabet of the first word.

2. The second element coding: Total number of letters in the word + 2

3. The third element coding: The second last alphabet of the word from the beginning is taken and + 5 forward alphabet is taken.

For Example

‘pages’ will be coded as follows,

Pages → P (reverse of K), 7 (total number of letters + 2), J (E + 5)

Hence, 'Pages' is coded as “K7J”.

16. C

17. B

18. C

19. B

20. C

Solution (21-25)

Logic:

1) The first letter is a coded symbol of the first letter.

2) The second letter is the last letter of the word.

3) The third letter is the number of letters in the word.

E.g. *y2 = my

* represents m

‘y’ is last letter

2 is number of letters

21). A

22). B

23). B

24). A

25). C

Solutions (26-30)

For the first symbol – if the given word starts with vowel then write A and if the word starts with consonant then write B.

For the second symbol- If total number of alphabets is 3 then use symbol - \$

If total number of alphabets are 4 use symbol - &

If total number of alphabets are 5 use symbol - @

If total number of alphabets are 6 use symbol - %

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If total number of alphabets are 7 use symbol - ^

Such as in the words Treat and Advised, the word Treat is start with consonant and total number of alphabets are 5 so the code of word Treat is B@ same as the code for Advised is A^.

26). A

27). B

28). C

29). B

30). D

Solutions (31-35)

The first letter in the code is the immediate succeeding letter (in alphabetical series) of the 2nd letter (from the left end) of the word.

The number between the letters is the square of the number of letters in the word.

The last letter in the code is the immediate succeeding letter (in alphabetical series) of the 2nd letter (from the right end) of the word.

Example: 'larson'

2nd letter from the left end of the word is 'A', and its immediate succeeding letter in alphabetical series is 'B'.

Number of letters in the word is 6, so the number between the letters is 36.

2nd letter from the right end of the word is 'O', so the its immediate succeeding letter in alphabetical series is 'P'.

Therefore, the code for 'larson' is 'B36P'

31). D

32). A

33). B

34). D

35). C

Solutions (36-40)

For the symbols – Symbols are coded according to the number of letters in each word

Such as, if there are 4 letters in the word, use - @

If 5, use - %

If 6, use - &

If 7, use - !

If 8, use - \$

For the number, +1 in the place value of first letter of each word.

For the letter, -1 in the last letter of the word.

For example the code of the word CLIMATE is 4!D because $C+1 = 4$, there are 7 letters in the word so use symbol !, last letter $E-1 = D$ so, the code is 4!D.

36). D

37). C

38). B

39). A

40). C

Solution (41-45)

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The letter in the code is the letter corresponding to the number of letters in the word (Ex. A for 1, B for 2 and so on).

The number in the code is 1 more than the number representation (in alphabetical series) of the 2nd last letter of the word (from the left end).

Example:

‘random’

The word has 6 letters, so the letter in its code will be ‘F’.

2nd last letter of the word is ‘O’, its corresponding number in alphabetical series is 15, so the number in the code will be $(15 + 1) = 16$.

Therefore, the code for ‘random’ is ‘F16’

41). C

42). B

43). A

44). A

45). C

Solution (46-50)

In each code, the letter is the immediate succeeding letter (in alphabetical series) of the 2nd letter from the left end of the word.

There are three symbols used for coding:

a. If there is only one vowel in the word, the symbol used is ‘#’.

b. If there are two vowels in the word, the symbol used is ‘\$’.

c. If there are three vowels in the word, the symbol used is ‘@’.

Example:

‘Gujarat’

2nd letter from the left end is ‘U’. Its immediate succeeding letter in the alphabetical series is ‘V’.

There are three vowels in the word, so ‘@’ is used as symbol.

Therefore, the code for ‘Gujarat’ is ‘V@’.

46). D

47). C

48). D

49). A

50). A

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Coding Decoding Number Condition Based

Directions (1-5): In every question two rows are given and to find out the resultant of a particular row you need to follow the following steps:

Step 1: If an even number is followed by prime number then the resultant will be the sum of two numbers.

Step 2: If an even number is followed by odd number then the resultant will be the difference between the two numbers.

Step 3: If an odd number is followed by an odd number then the resultant will division of bigger number by smaller number among them.

Step 4: If an even number is followed by an even composite number then the resultant will be the higher number of them

Step 5: If odd number is followed by even number then the resultant will be the multiplication of both numbers.

Step 6: If odd number is followed by prime number then the resultant will be the lower number among them.

1). what is the difference in resultant of both the rows?

12	3	8	7
2	4	6	9

- a) 110
- b) 111
- c) 124
- d) 123
- e) None of these

2) What is the resultant of second row if Y is the resultant of first row?

7	6	8	9
3	12	Y	13

- a) 5
- b) 3
- c) 8
- d) 9
- e) None of these

3) What is the sum of resultants of both the rows?

9	17	7	4
2	5	19	6

- a) 60
- b) 42
- c) 28
- d) 70
- e) None of these.

4) What is the LCM of resultant of both the rows?

11	3	2	9
4	5	2	3

- a) 1
- b) 8
- c) 35
- d) 14
- e) None of these

5) What is the product of resultant of both the rows?

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2	7	5	8
7	6	3	13

- a) 52
- b) 104
- c) 106
- d) 5
- e) None of these

Directions (6-10): There are two rows given and to find out the resultant of a particular row you need to follow the following steps: –

Step 1: If an even number is followed by an even (non-prime) number then the resultant will be the difference between numbers.

Step 2: If an even number is followed by an odd (prime) number then the resultant will be the division of higher number by lower number.

Step 3: If an odd number is followed by another odd number (but not a cube or square) then the resultant will be the addition of both the numbers.

Step 4: If an odd number is followed by an even number (but not a cube number) then the resultant comes by multiplying the numbers.

Step 5: If an odd number is followed by a cube number then the resultant will be the difference of the cube number and the odd number.

6). Find the difference between the resultant of the first and second row.

121	7	12
42	8	17

- a) 116
- b) 112
- c) 114
- d) 110
- e) None of these

7) Find the product of the resultant of the given two rows.

60	08	13
42	3	28

- a) 56
- b) 72
- c) 580
- d) 290
- e) None of these

8) Find the sum of the resultant of the given two rows.

46	23	36
65	4	5

- a) 82
- b) 83
- c) 85
- d) 86
- e) None of these

9) What is the resultant of the second row, if X is the resultant of the first row?

09	27	03
----	----	----

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12	04	X
----	----	---

- a) 6
- b) 8
- c) 2
- d) 4
- e) None of these

10) Find the sum of the resultant of the given two rows.

- a) 74
- b) 86
- c) 94
- d) 68
- e) None of these

Directions (11-15): There are two rows given and to find out the resultant of a particular row you need to follow the following steps: –

Step 1: If an odd number is followed by an odd (non-prime) number then the resultant will be the addition of the numbers.

Step 2: If an even number is followed by an even (non-prime) number then the resultant will be the subtraction of lower number from higher number.

Step 3: If an odd number is followed by another odd number (prime number) then the resultant will be multiplication of both the numbers.

9	23	18
45	58	8

Step 4: If an odd number is followed by an even number then the resultant will be higher number between them.

Step 5: If an even number is followed by a prime number then the resultant will be lower number between them.

11) Find the difference between the resultant of the first and second row.

08	16	12
3	8	17

- a) 6
- b) 8
- c) 4
- d) 2
- e) None of these

7	36	03
28	6	11

12) Find the product of the resultant of the given two rows.

8	5	3
7	14	37

- a) 196
- b) 210
- c) 280
- d) 220
- e) None of these

13) Find the sum of the resultant of the given two rows.

- a) 252
- b) 253
- c) 50
- d) 257
- e) None of these

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14) What is the resultant of the second row, if X is the resultant of the first row?

27	33	2
22	7	X

- a) 10
- b) 13
- c) 07
- d) 02
- e) None of these

15) Find the sum of the resultant of the given two rows.

37	86	31
18	6	23

- a) 43
- b) 55
- c) 265
- d) 235
- e) None of these

Directions (16-20): There are two rows given and to find out the resultant of a particular row you need to follow the following steps: –

Step 1: If a square number is followed by cube number then the resultant will be the subtraction of lower number from higher number.

Step 2: If cube number is followed by cube number then the resultant will be the addition of the numbers.

Step 3: If a cube number is followed by square number then the resultant will be multiplication of both the numbers.

Step 4: If square number is followed by square number then the resultant will be higher number between them.

Step 5: If all of the condition mentioned above does not fulfill then resultant number will be addition of those number.

Note: we will take 1 as a cube number

16) Find the answer of division of resultant of the row two by resultant of row one.

1	16	8
3	13	9

- a) 144
- b) 16
- c) 1
- d) 2
- e) None of these

17) Find the difference of the resultant of the given two rows.

27	8	4
16	9	125

- a) 109
- b) 70
- c) 28
- d) 39
- e) None of these

18) Find the sum of the resultant of the given two rows.

9	27	81
1	8	25

- a) 99

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- b) 116
- c) 124
- d) 115
- e) None of these

19) What is the difference resultant of the both row, if X is the resultant of the first row?

216	4	1
81	125	X

- a) 55
- b) 99
- c) 44
- d) 11
- e) None of these

20) Find the remainder of the division resultant of the given two rows, when highest number is divided by lowest number.

- a) 3
- b) 5
- c) 6
- d) 4
- e) None of these

Directions (21-25): There are two rows given and to find out the resultant of a particular row you need to follow the following steps: –

Step 1: If an even number is followed by an odd number then the resultant will be the multiplication of both the numbers.

Step 2: If an even number is followed by an even number then the resultant will be the division of both the numbers such that higher number is divided by lower number.

Step 3: If an odd number is followed by an odd number then the resultant will be addition of both the numbers.

Step 4: If an odd number is followed by an even number then the resultant will be the subtraction of lower number from higher number.

Step 5: If all of the condition mentioned above does not fulfill then resultant number will be addition of those number.

21) Find the answer of addition of resultant of the row one and row two.

16	8	2
6	5	3

- a) 1
- b) 19
- c) 91
- d) 90
- e) None of these

22) Find the difference of the resultant of the given two rows.

25	9	2
6	18	12

- a) 26
- b) 9
- c) 8
- d) 17

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e) None of these

23) Find the product of the resultant of the given two rows.

4	25	10
11	13	15

a) 240

b) 390

c) 3600

d) 3900

e) None of these

24) What is the remainder of division resultant of the row 1 by resultant of row 2, if X is the resultant of the second row?

36	4	X
17	8	14

a) 3

b) 4

c) 5

d) 1

e) None of these

25) Find the difference of resultant of the given two

4	6	8
15	9	4

rows.

89	121	5
24	4	67

a) 138

b) 348

c) 558

d) 448

e) None of these

Directions (26-30): There are two rows given and to find out the resultant of a particular row you need to follow the following steps: –

Step 1: If the number is multiple of 2 is followed by the number is multiple of 3 then the resultant will be the subtraction of both the numbers.

Step 2: If the number is multiple of 2 is followed by the number is multiple of 2 then the resultant will be the addition of both the numbers.

Step 3: If the number is multiple of 3 is followed by the number is multiple of 2 then the resultant will be the subtraction of both the numbers.

Step 4: If the number is multiple of 3 is followed by the number is multiple of 3 then the resultant will be the addition of both the numbers.

Step 5: If the number is a multiple of both 2 and 3 then the concerned number will be taken as number is multiple of 2.

26) Find the answer of addition of resultant of the row one and row two.

a) 06

b) 36

c) 28

d) 46

e) None of these

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27) Find the difference of the resultant of the given two rows.

16	22	26
21	27	2

- a) 64
- b) 14
- c) 41
- d) 50
- e) None of these

28) Find the sum of the resultant of the given two rows.

15	33	39
33	24	51

- a) 21
- b) 69
- c) 75
- d) 57
- e) None of these

29) What is the multiplication resultant of the both row?

2	10	9
6	3	14

- a. 14
- b) 11
- c) 33
- d) 2
- e) None of these

30) Find the difference of the resultant of the given two rows.

12	16	102
3	9	21

- a) 133
- b) 130
- c) 142
- d) 109
- e) None of these

Directions (31-35): In every question two rows are given and to find out the resultant of a particular row you need to follow the following steps:

Rules:

- i) If an odd number is followed by a two digit odd number then they are to be added.
- ii) If an odd number is followed by a two digit even number then the lower number is to be subtracted from the higher number.
- iii) If an even number is followed by a number which is a perfect cube of a number then the second number is to be multiplied by the first number.
- iv) If an even number is followed by a two digit odd number but not a perfect cube then the lower number is to be subtracted from the higher number.
- v) If an odd number is followed by a one digit odd number then we will take preceded odd number as a resultant.

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vi) If an even number is followed by a one digit even number then we will take followed even number as a resultant.

Note-1: If none of the conditions satisfied, then resultant between the two numbers is the lowest number between them.

Note-2: If more than one conditions satisfied, then all the conditions are processed and the resultant will be the highest number among results.

31) What is the difference in resultant of both the rows?

2	3	7
21	40	16

- a) 1
- b) 4
- c) 3
- d) 2
- e) None of these

32) What is the resultant of second row if Y is half of the resultant of first row?

7	6	8
12	13	Y

- a) 25
- b) 23
- c) 28
- d) 9

e) None of these

33) What is the difference between resultants of both the rows?

4	27	13
7	5	19

- a) 60
- b) 69
- c) 68
- d) 70
- e) None of these.

34) What is the sum of resultant of both the rows?

11	23	27
36	9	22

- a) 918
- b) 922
- c) 923
- d) 914
- e) None of these

35) What is the remainder of division of resultant of row 1 by resultant of row 2?

10	64	5
16	21	3

- a) 5
- b) 10
- c) 1

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- d) 0
- e) None of these

Directions (36-40): In every question two rows are given and to find out the resultant of a particular row you need to follow the following steps:

Rules:

- i) If a number is divisible by followed number then first number is to be divided by second number.
- ii) If a number is not divisible by followed number then the smaller number is to be subtracted from the larger number.
- iii) If a number is a followed by its multiple numbers then they are to be multiplied.
- iv) If a number is followed by a number which is square of that number then a number is to be subtracted from the square number.

Note: If more than one conditions satisfied, then all the conditions are processed and the resultant will be the lowest number among results.

36) What is double of the difference in resultant of both the rows?

4	16	6
20	5	3

- a) 3
- b) 1

- c) 6
- d) 2
- e) None of these

37) What is difference of the resultant of second row and first row; if Z is half of the resultant of second row?

15	7	Z
42	7	18

- a) 76
- b) 28
- c) 10
- d) 32
- e) None of these

38) What is the sum of resultants of both the rows?

10	100	90
24	16	64

- a) 81
- b) 57
- c) 56
- d) 49
- e) None of these.

39) What is the square of product of resultant of both the rows?

41	11	5
36	18	4

- a) 12
- b) 122

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- c) 124
- d) 144
- e) None of these

40) What is the remainder of division of resultant of row 1 by resultant of row 2?

7	14	49
6	19	13

- a) 5
- b) 10
- c) 1

- d) 0
- e) None of these

Directions (41-45): In every question two rows are given and to find out the resultant of a particular row you need to follow the following steps:

Rules:

- i) If a number is followed by its square number then second number is to be divided by first number.
- ii) If a number is followed by its cube number then the smaller number is to be subtracted from the larger number.
- iii) If a number is followed by a square number (not of preceded number) then they are to be added.
- iv) If a number is followed by a cube number (not of preceded number) then the second number is taken as resultant.

v) If none of the above condition followed then simply add both the numbers.

41) What is square of the difference in resultant of both the rows?

4	25	29
6	27	729

- a) 58
- b) 27
- c) 961
- d) 729
- e) None of these

42) What is the difference between the resultant of second row and Z; if Z is the resultant of first row?

5	125	4
7	49	z

- a) 124
- b) 131
- c) 8
- d) 7
- e) None of these

43) What is the double of remainder of division of resultants of row 1 by resultant of the row 2?

2	9	81
12	144	16

- a) 16
- b) 12

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- c) 24
- d) 18
- e) None of these.

44) What is the difference between resultant of both the rows?

8	48	49
36	216	100

- a) 120
- b) 145
- c) 237
- d) 211
- e) None of these

45) What is the sum of resultant of row 1 and resultant of row 2?

11	1131	49
2	4	8

- a) 1165
- b) 1169
- c) 1171
- d) 1181
- e) None of these

Directions (46-50): In every question two rows are given and to find out the resultant of a particular row you need to follow the following steps:

Rules:

- i) If an odd square number is followed by an even number then both are added.
- ii) If an even square number is followed by an odd number then the smaller number is to be subtracted from the larger number.
- iii) If an odd cube number is followed by even number, then we will take cube number as a resultant.
- iv) If an even cube number is followed by odd number, then the odd number is taken as resultant.
- v) If none of the above condition followed then simply do multiplication of numbers.

Note: We will take 1 as an Odd cube number.

46) What is the difference between the resultant of both the rows?

81	6	2
16	25	14

- a) 174
- b) 153
- c) 151
- d) 23
- e) None of these

47) What is the double of sum of the resultant of second row and the value of Z, if the value of Z is the resultant of row 1?

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1	34	7
121	48	Z

- a) 185
- b) 177
- c) 370
- d) 354
- e) None of these

48) What is the double of difference between resultants of row 1 by resultant of the row 2?

216	27	84
64	15	15

- a) 1344
- b) 1408
- c) 1426
- d) 1436
- e) None of these.

49) What is the difference between resultant of both the rows?

512	125	74
49	56	121

- a) 12380
- b) 12280
- c) 12680
- d) 12580
- e) None of these

50) What is the sum of resultant of row 1 and resultant of row 2?

11	07	49
343	4	56

- a) 4106
- b) 4116
- c) 4216
- d) 4316
- e) None of these

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For Bank Clerk/ PO Mains Exams

Coding Decoding Number Condition Based – Answer and Explanation

1). C

Solution:

In row 1,

According to step 1, addition of (12, 3) is 15.

Then step 2, quotient of (15, 8) is 120.

Then step 1, $120+7=127$

Resultant of row 1 is 127.

In row 2,

According to step 4, bigger number among them (4, 2) is 4.

Then step 4, bigger number among them (4, 6) is 6.

Then step 2, difference of (9-6,) is 3.

Resultant of row 2 is 3.

Difference in resultants is $127-3=124$.

2). B

Solution:

In row 1,

According to step 5, multiplication of (6, 7) is 42.

Then step 4, bigger number (42, 8) is 42.

Then step 2, $42-9=33$

Resultant of row 1 is 33.

Therefore Y in row 2 is 33.

In row 2,

According to step 5, multiplication (3, 12) is 36.

Then step 2, difference between (36, 33) is 3.

Then step 6, smaller number (3, 13) is 3.

Resultant of row 2 is 3.

3). D

Solution:

In row 1,

According to step 6, smaller of (9, 17) is 9.

Then step 6, smaller number (9, 7) is 7.

Then step 5, multiplication (7, 4) = 28

Resultant of row 1 is 28.

In row 2,

According to step 1, sum of (2, 5) is 7.

Then step 6, lower number (7, 19) is 7.

Then step 5, multiplication (7, 6) is 42.

Resultant of row 2 is 3.

So sum of resultant of both rows is $42+28=70$

4). C

Solution:

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In row 1,

According to step 6, lower number (11, 3) is 3.

Then step 6, lower number (3, 2) is 2.

Then step 2, difference (9,2)=7

Resultant of row 1 is 7.

In row 2,

According to step 1, sum (4, 5) is 9.

Then step 6, lower number (9, 2) is 2.

Then step 1, sum (2, 3) is 5.

Resultant of row 2 is 5.

LCM of resultant of both rows is 35 (7*5=35).

5). E

Solution:

In row 1,

According to step 1, sum of (2, 7) is 9.

Then step 6, lower number (9, 5) is 5.

Then step 5, Multiplication (5, 8) is 40

Resultant of row 1 is 40

In row 2,

According to step 5, multiplication (7, 6) is 42.

Then step 1, sum (42, 3) is 45.

Then step 6, smaller number (45, 13) is 13.

Resultant of row 2 is 13.

Product of resultant of both rows is 40*13= 520

6). C

Solution:

In row 1,

According to step 3, $121+7=128$

Then step 1, $128-12=116$.

Resultant of row 1 is 116.

In row 2,

According to step 1, $42-8=34$

Then step 2, $34/17=2$.

Resultant of row 2 is 2.

Difference in resultants is 116-2= 114.

7). A

Solution:

In row 1,

According to step 1, $60-8=52$

Then step 2, $52/13=4$

Resultant of row 1 is 4.

In row 2,

According to step 2, $42/3=14$.

Then step 1, $14-28=14$.

Resultant of row 2 is 14.

Product of resultants of row 4*14=56

8). D

Solution:

In row 1,

According to step 2, $46/23=2$

Then step 1, $2-36=34$.

Resultant of row 1 is 34.

In row 2,

According to step 4, $65*4=260$

Then step 2, $260/5=52$

Resultant of row 2 is 52.

So addition of resultant of both rows is $34+52=86$

9). C

Solution:

In row 1,

According to step 5, difference $9-27=18$

Then step 2, $18/3=6$

Resultant of row 1 is 6 i.e. $X=6$

In row 2,

According to step 1, difference, $12-4=8$

Then step 1, difference, $8-6=2$

Resultant of row 2 is 2

10). B

Solution:

In row 1,

According to step 4, $7*36=252$

Then step 2, $252/3=84$.

Resultant of row 1 is 84.

In row 2,

According to step 1, $28-6=22$

Then step 2, $22/11=2$

Resultant of row 2 is 2.

Addition of resultant of both row is $84+2=86$

11). C

Solution:

In row 1,

According to step 2, $16-8=8$

Then step 2, $12-8=4$.

Resultant of row 1 is 4.

In row According to step 4, 3, 8 higher numbers is 8.

Then step 5, 8, 17 lower number is 8

Resultant of row 2 is 8.

So difference of resultant of both rows is $8-4=4$.

12). B

Solution:

In row 1,

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According to step 5, (8, 5) lower number is 5

Then step 3, $5*3=15$.

Resultant of row 1 is 15.

In row According to step 4, (7, 14) higher number is 14.

Then step 5, (14 37) lower number is 14.

Resultant of row 2 is 14.

So multiplication of resultant of both rows is

$14*15=210$.

13). D

Solution:

In row 1,

According to step 3, $9*23=207$

Then step 4, (207, 18) higher number is 207

Resultant of row 1 is 207.

In row 2

According to step 4, (45, 58) higher number is 58.

Then step 2, $58-8=50$

Resultant of row 2 is 50.

So addition of resultant of both rows is $207+50=257$

14). C

Solution:

In row 1,

According to step 1, $27+33=60$

Then step 5, (60, 2) lower number is 2

Resultant of row 1 is 2.

In row 2, X is 2

According to step 5, (22, 7) lower number is 7.

Then step 4, (7, 2) so higher number is 7

Resultant of row 2 is 7.

So resultant of 2nd row is 7.

15). A

Solution:

In row 1,

According to step 4, (37 86) higher number is 86

Then step 5, (86 31) lower number is 31

Resultant of row 1 is 31.

In row 2

According to step 2, $18-6=12$

Then step 5, (12, 23) lower number is 12

Resultant of row 2 is 12.

So addition of resultant of both rows is $12+31=43$.

16). D

Solution:

In row 1,

According to step 3, $1*16=16$

Then step 1, subtraction $16-8=8$

Resultant of row 1 is 8.

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In row 2

According to step 5, $3+13=16$

Then step 4, (16, 9) higher number is 16

Resultant of row 2 is 16.

So $\text{row2}/\text{row1}=16/8=2$

17). B

Solution:

In row 1,

According to step 2, $27+8=35$

Then step 5, $35+4=39$

Resultant of row 1 is 39.

In row According to step 4, (16, 9) higher number is 16.

Then step 1, $125-16=109$.

Resultant of row 2 is 109.

So difference of resultant of both rows is $109-39=70$.

18). C

Solution:

In row 1,

According to step 1, $27-8=18$

Then step 5, $18+81=99$

Resultant of row 1 is 99.

In row 2

According to step 2, $1+8=9$

Then step 4, (9, 25) higher number is 25

Resultant of row 2 is 25.

So addition of resultant of both rows is $99+25=124$

19). C

Solution:

In row 1,

According to step 3, $216*4=864$

Then step 5, $864+1=865$

Resultant of row 1 is 865.

In row 2, X is 865

According to step 1, $125-81=44$

Then step 5, $44+865=909$

Resultant of row 2 is 909.

Difference resultant of both rows, $909-865=44$

20).A

Solution:

In row 1,

According to step 4, (100, 121) higher number is 121

Then step 1, $125-121=4$

Resultant of row 1 is 4.

In row 2

According to step 4, (16, 4) higher number is 16

Then step 5, $16+23=39$

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Resultant of row 2 is 39.

So division of resultant of row 2 by row 1 is $39/4=9$ times exactly divided & **3 is remainder.**

21). C

Solution:

In row 1,

According to step 2, $16/8=2$

Then step 2, $2/2=1$

Resultant of row 1 is 1.

In row 2

According to step 1, $6*5=30$

Then step 1, $30*3=90$

Resultant of row 2 is 90.

So addition of resultant of row 1 and row 2 is

1+90=91

22). C

Solution:

In row 1,

According to step 3, $25+9=34$

Then step 2, $34/2=17$

Resultant of row 1 is 17.

In row 2

According to step 2, $18/6=3$

Then step 4, $12-3=9$

Resultant of row 2 is 9.

So difference between resultant of row 1 and row 2 is
17-9=8

23). C

Solution:

In row 1,

According to step 1, $25*4=100$

Then step 2, $100/10=10$

Resultant of row 1 is 10.

In row 2

According to step 3, $11+13=24$

Then step 1, $24*15=360$

Resultant of row 2 is 360.

So product of resultant of row 1 and row 2 is

$10*360=3600$

24). B

Solution:

In row 2,

According to step 4, $17-8=9$

Then step 4, $14-9=5$

Resultant of row 2 is 5.

In row 1

X is 5.

According to step 2, $36/4=9$

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Then step 3, $9+5=14$

Resultant of row 1 is 14.

So division of resultant of row 1 by row 2 is $14/5=2$ times exactly divided and **4 remainder.**

25). E

Solution:

In row 1,

According to step 3, $89+121=210$

Then step 1, $210*5=1050$

Resultant of row 1 is 1050.

In row 2

According to step 2, $24/4=6$

Then step 1, $6*67=402$

Resultant of row 2 is 402.

So difference of resultant of row 1 and row 2 is $1050-402=648$

26). D

Solution:

In row 1

, Here 6 is multiple of 2 and 3, so according to step 5 we will take it as multiple of 2.

According to step 2, $4+6=10$

Then step 2, $10+8=18$

Resultant of row 1 is 18.

In row 2

According to step 4, $15+9=24$

According to step 5 we will take 24 as multiple of 2.

Then step 2, $24+4=28$

Resultant of row 2 is 28

So addition of resultant of row 1 and row 2 is $28+18=46$

27). B

Solution:

In row 1

According to step 2, $22+16=38$

Then step 2, $38+26=64$

Resultant of row 1 is 64.

In row 2

According to step 4, $21+27=48$

According to step 5, we will take 48 as a multiple of 2.

Then step 2, $48+2=50$

Resultant of row 2 is 50

So difference between resultant of row 1 and row 2 is $64-50=14$

28). B

Solution:

In row 1

According to step 4, $15+33=48$

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According to step 5, we will take 48 as a multiple of 2.

Then step 1, $48-39=9$.

Resultant of row 1 is 9.

In row 2

According to step 5, we will take 24 as a multiple of 2.

According to step 3, $33-24=9$

Then step 4, $9+51=60$

Resultant of row 2 is 60

So sum of resultant of row 1 and row 2 is $9+60=69$

29). C

Solution:

In row 1

According to step 2, $10+2=12$

According to step 5, we will take 12 as a multiple of 2.

Then step 1, $12-9=3$.

Resultant of row 1 is 3.

In row 2

According to step 5, 6 will take as multiple of 2.

According to step 1, $6-3=3$

Then step 3, $14-3=11$

Resultant of row 2 is 11

So multiplication of both rows result is $3*11=33$

30). E

Solution:

In row 1

According to step 5, we will take 12 as a multiple of 2.

According to step 2, $16+12=28$

According to step 5, we will take 102 as a multiple of 2.

Then step 1, $102+28=130$.

Resultant of row 1 is 130.

In row 2

According to step 4, $3+9=12$

According to step 5, we will take 12 as a multiple of 2.

Then step 1, $21-12=9$

Resultant of row 2 is 9

The difference between row one and row two is $130-9=121$

31). A

Solution:

In row 1

(2, 3) no conditions satisfied, lowest number is 2.

(2, 7) no conditions satisfied, lowest number is 2.

Resultant of row 1 is 2.

In row 2

According to step 2, $40-21=19$

According to step 2, $19-16=3$

Resultant of row 2 is 3.

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Difference between row 1 and row 2 is 3-2=1

32). B

Solution:

In row 1

(7, 6) no conditions satisfied, lowest number is 6.

Two conditions satisfied as follows (6, 8)

According to step 3, $6*8=48$

According to step 6, (6, 8), followed number is 8.

Among two conditions 48 is the highest result.

Resultant of row 1 is 48.

In row 2

According to step 4, $13-12=1$

Y is half of Resultant of row 1, $48/2=24$

According to step 2, $24-1=23$

Resultant of row 2 is 23.

33). B

Solution:

In row 1

According to step 3, $27*4=108$

According to step 4, $108-13=95$

Resultant of row 1 is 95.

In row 2

According to step 5, (7, 5) preceded number is 7.

According to step 1, $7+19=26$

Resultant of row 2 is 26.

Difference between Resultant of row 1 and row 2 is 95-26=69

34). E

Solution:

In row 1

According to step 1, $11+23=34$

According to step 3, $27*34=918$

Resultant of row 1 is 918.

In row 2

(36, 9) no conditions satisfied, lowest number is 9

According to step 2, $22-9=13$

Resultant of row 2 is 13

Sum of Resultant of row 1 and row 2 is 918+13=931

35). D

Solution:

In row 1

According to step 4, $64*10=640$

(640, 5) no conditions satisfied, lowest number is 5

Resultant of row 1 is 5.

In row 2

According to step 4, $21-16=5$

According to step 5, (5, 3) preceded number is 5.

Resultant of row 2 is 5.

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Division of Resultant of row 1 and row 2 is $5/5=1$ times exactly divided.

So remainder is 0.

36). D

Solution:

In row 1

Three conditions satisfied as follows (4, 16)

According to step ii, $16-4=12$

According to step iii, $16*4=64$

According to step iv, $16-4=12$

Among three conditions, 12 is the lowest result.

According to step i, $12/6=2$.

Resultant of row 1 is 2.

In row 2

According to step i, $20/5=4$

According to step ii, $4-3=1$

Resultant of row 2 is 1.

Difference of resultant of row 1 and row 2 is $2-1=1$

So double of 1 is $1*2=2$

37). C

Solution:

In row 2

According to step i, $42/7=6$

Two conditions satisfied as follows (6, 18)

According to step ii, $18-6=12$

According to step iii, $6*18=108$

Among two conditions, 12 is the lowest result.

Resultant of row 2 is 12.

In row 1

Z is half of resultant of row 2, $12/2=6$

According to step ii, $15-7=8$

According to step ii, $8-6=2$

Resultant of row 1 is 2.

Difference between row 2 and row 1 is $12-2=10$

38). B

Solution:

In row 1

Three conditions satisfied as follows (10, 100)

According to step ii, $100-10=90$

According to step iii, $10*100=1000$

According to step iv, $100-10=90$

Among three conditions, 90 is the lowest result.

Two conditions satisfied as follows (90, 90)

According to step i, $90/90=1$

According to step iii, $90*90=8100$

Among two conditions, 1 is the lowest result.

Resultant of row 1 is 1

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In row 2

According to step ii, $24-16=8$

Three conditions satisfied as follows (8, 64)

According to step ii, $64-8=56$

According to step iii, $8*64=512$

According to step iv, $64-8=56$

Among three conditions, 56 is the lowest result.

Resultant of row 2 is 56.

Sum of the resultant of row 1 and row 2 is $1+56=57$.

39). D

Solution:

In row 1

According to step ii, $41-11=30$

According to step i, $30/5=6$

Resultant of row 1 is 6.

In row 2

According to step i, $36/18=2$

Three conditions satisfied as follows (2, 4)

According to step ii, $4-2=2$

According to step iii, $2*4=8$

According to step iv, $4-2=2$

Among three conditions, 2 is the lowest result.

Resultant of row 2 is 2.

product of resultant of row 1 and row 2 is $6*2=12$

Square of product 12 is 144.

40).D

Solution:

In row 1

Two conditions satisfied as follows (7, 14)

According to step ii, $14-7=7$

According to step iii, $7*14=98$

Among two conditions, 7 is the lowest result.

Again three conditions satisfied as follows (7, 49)

According to step ii, $49-7=42$

According to step iii, $7*49=343$

According to step iv, $49-7=42$

Among three conditions, 42 is the lowest result.

Resultant of row 1 is 42

In row 2

According to step ii, $19-6=13$

Two conditions satisfied as follows (13, 13)

According to step i, $13/13=1$

According to step iii, $13*13=169$

Among two conditions, 1 is the lowest result.

Resultant of row 2 is 1.

Division of Resultant of row 1 and row 2 is $42/1=42$ times exactly divided.

SBI Clerk/ RBI Assist. Mains – Reasoning

So remainder is 0.

41). C

Solution:

In row 1

According to step iii, $25+4=29$

According to step v, $29+29=58$

Resultant of row 1 is 58.

In row 2

According to step iv, 27

According to step i, $729/27=27$.

Resultant of row 2 is 27.

Difference between resultant of row 1 and row 2 is $58-27=31$

So square of this is 961.

42). D

Solution:

In row 1

According to step ii, $125-5=120$

According to step iii, $120+4=124$

Resultant of row 2 is 124.

In row 2

Z is resultant of row 1, 124

According to step i, $49/7=7$

According to step v, $124+7=131$

Resultant of row 2 is 131.

Difference between row 2 and Z is $131-124=7$

43). A

Solution:

In row 1

According to step iii, $2+9=11$

According to step iii, $11+81=92$

Resultant of row 1 is 92

In row 2

According to step i, $144/12=12$

According to step iii, $12+16=28$

Resultant of row 2 is 28.

Division of resultant of row 1 and row 2 $92/24=3$ times exactly divided

Remainder is 8.

Double of remainder is $8*2=16$

44). D

Solution:

In row 1

According to step v, $8+48=56$

According to step iii, $56+49=105$

Resultant of row 1 is 105

In row 2

According to step iv, 216

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According to step iv, $216+100=316$

Resultant of row 2 is 316.

Difference between resultant of row 2 and row 1 is

$316-105=211$

45). E

Solution:

In row 1

According to step v, $1131+11=1142$

According to step iii, $1142+49=1191$

Resultant of row 1 is 1191

In row 2

According to step i, $4/2=2$

According to step ii, $8-2=6$

Resultant of row 2 is 6.

Sum of resultant of row 1 and row 2 is $1191+6=1197$

46). C

Solution:

In row 1

According to step i, $81+6=87$

According to step v, $87*2=174$

Resultant of row 1 is 174.

In row 2

According to step ii, $25-16=9$

According to step i, $9+14=23$

Resultant of row 2 is 23.

Difference between Resultant of row 1 and row 2 is $174-23=151$

47). C

Solution:

In row 1

According to step iii, (1 34) resultant is 1

According to step v, $1+7=8$

Resultant of row 1 is 8.

In row 2

Z is of resultant of row 1, 8

According to step i, $121+48=169$

According to step i, $169+8=177$

Resultant of row 2 is 177.

Addition of row 2 and Z is $8+177=185$

Double of addition of row 2 and Z is 370.

48).E

Solution:

In row 1

According to step iv, (216, 27) resultant is 27

According to step iii, (27, 84) resultant is 27

Resultant of row 1 is 27.

In row 2

According to step ii, $64-15=49$

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According to step v, $49 \times 15 = 735$

Resultant of row 2 is 735.

Difference between resultant of row 1 and row 2 is $735 - 27 = 708$

Double of difference between resultant of row 1 and row 2 is 1416.

49). D

Solution:

In row 1

According to step iv, (512, 125) resultant is 125

According to step iii, (125, 74) resultant is 125

Resultant of row 1 is 125.

In row 2

According to step i, $49 + 56 = 105$

According to step v, $105 \times 121 = 12705$

Resultant of row 2 is 12705

Difference between resultant of row 2 and row 1 is $12705 - 125 = 12580$

50). B

Solution:

In row 1

According to step v, $11 \times 7 = 77$

According to step v, $77 \times 49 = 3773$

Resultant of row 1 is 3773.

In row 2

According to step iii, (343, 4) resultant is 343

According to step iii, (343, 56) resultant is 343

Resultant of row 2 is 343

Sum of resultant of row 1 and row 2 is $3773 + 343 = 4116$

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Coding Decoding Symbol Alphabet Based

(Direction 1-5): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting from multiple of 2 (for ex- B is coded as 2, C-4, L-18) and again those numbers get repeated (for ex- M-2, N-4 and so on). Also, each vowel is coded with different symbol viz. \$, %, ^, & and * respectively.

In a coded language:

It Is High Time Now: $^14 \ ^{12} 12^1 1012 14^2 \% 4 \& 18$

Besides the above example, following operations are to be applied for coding the words given in the question below:

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I. If the first letter of the word is consonant and fourth letter is vowel then the code of the consonant will be the same for the vowel.

II. If the last two letters are vowels then the code ending with 0 will be replaced with *

III. If the second letter of the word is vowel and fourth letter is consonant then both are to be coded as the code of the third letter.

IV. If both first and the second letter are consonant then the code which are in single digit will be replaced with the code of the third letter.

V. If first letter of the word is consonant and the last letter of the word is also consonant then both are to be coded as “!”

If more than one condition applies for a word then, both the codes will be the answer

1) What can be the code of PILOT?

- a) &^18&14
- b) 618^14&
- c) !^18&!
- d) Both A and C
- e) Cannot Be Determined

2) What will be the code of INDIA?

- a) ^46^\$
- b) \$46^^
- c) \$^46\$
- d) Either A or B
- e) Both A and B

3) What can be the code of FORMULA?

- a) 8202020*18\$

- b) 8101010*18\$
- c) 1010101*18
- d) Both A and C
- e) None of These

4) What will be the code of SHIPPING?

- a) !12^66^4!
- b) 121212^^^^10
- c) 1212^^^^10
- d) Both A and C
- e) Cannot Be Determined

5) What can be the code of TAJIKISTAN?

- a) 14\$14^16^1214\$4
- b) !\$14^16^1214\$!
- c) +\$14^16^1214\$\$
- d) ^\$14^16^1214\$4
- e) Both B and D

(Direction 6-10): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting from multiple of 3 (for ex- B is coded as 3, C-6, L-27) and again those numbers get repeated (for ex- M-3, N-6 and so on). Also, each vowel is coded with different symbol viz. @, #, \$, %, & respectively.

In a coded language:

Corona Is Killing World: 6%15%6@ \$18 24\$2727\$15
27%15279

Besides the above example, following operations are to be applied for coding the words given in the question below:

SBI Clerk/ RBI Assist. Mains – Reasoning

I. If the first letter of the word is vowel and fourth letter is consonant then the code of the both the letters will be the code of the vowel

II. If the last two letters are consonant then the odd number code will be replaced with *

III. If the second letter of the word is consonant and fourth letter is vowel then both are to be coded as the code of the first letter.

IV. If both first and the second letter are vowel then the code which are in single digit will be replaced with the code of the fourth letter.

V. If first letter of the word is vowel and the last letter of the word is also vowel then both are to be coded as “8”

If more than one condition applies for a word then, both the codes will be the answer

6) What will be the code of ANDHERI?

- a) @69@#15\$
- b) 86918#158
- c) Both A and B
- d) @69@#15\$
- e) Cannot Be Determined

7) What will be the code of REPLACEMENT?

- a) *##*@6##*6*
- b) @##*@6##*6*
- c) !##*@6##*6*
- d) *##*@6##*6@
- e) Cannot Be Determined

8) What will be the code of EQUIPMENT?

- a) #12&\$**#6@

- b) #12&\$**#6*
- c) ##]#621
- d) Both B and C
- e) Cannot Be Determined

9) What will be the code of EAST?

- a) #@18#
- b) #@1825
- c) #@18*
- d) #@1821
- e) A, C and D

10) What will be the code of AFRICA?

- a) @@15@6@
- b) Both A and C
- c) 81215\$68
- d) Cannot Be Determined
- e) None of These

(Direction 11-15): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting from multiple of 2 (for ex- B is coded as 2, C-4, L-18) and again those numbers get repeated (for ex- M-2, N-4 and so on). Also, each vowel is coded with different symbol viz. \$, %, ^, & and * respectively.

In a coded language:

It Is High Time Now: ^14 ^12 12^1012 14^2% 4&18

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If first letter of the word is consonant and last letter is vowel then the codes of both of them will be interchanged.

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II. If both first and last letter of the word are vowel then the single digit code of the word will be replaced with “*”.

III. If first letter of the word is vowel and last letter is consonant then both are to be coded as the code of first letter.

IV. If both first and last letter are consonant then the code with two digits is replaced with “^”.

V. If the middle letter of the word is consonant, then all the vowels present in the word will be coded as “%”

If more than one condition applies for a word then, both the codes will be the answer

11) What can be the code of BOTTLE?

- a) 2&141418%
- b) %&1414182
- c) %*141418
- d) Both A and C
- e) Cannot Be Determined

12) What will be the code of AMERICA?

- a) \$2%10^4\$
- b) \$*%10^*\$
- c) %2%10%4%
- d) Both B and C
- e) Both A and C

13) What will be the code of AMAZON?

- a) \$2\$6&\$
- b) &2\$6&\$
- c) ! 2\$6&\$
- d) (2\$6&\$
- e) None of These

14) What will be the code of SANITIZER?

- a) ^\$4^^^6%^
- b) 2\$4%14%24%10
- c) 4\$4%14%24%10
- d) Both A and E
- e) 12%4%14%6%10

15) What will be the code of CONGO?

- a) 4%410%
- b) &&4104
- c) Both A and B
- d) Cannot Be Determined
- e) None of These

(Direction 16-20): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting from multiple of 3 (for ex- B is coded as 3, C-6, L-27) and again those numbers get repeated (for ex- M-3, N-6 and so on). Also, each vowel is coded with different symbol viz. @, #, \$, %, & respectively.

In a coded language:

Corona Is Killing World: 6%15%6@ \$18 24\$2727\$15 27%15279

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If first letter of the word is vowel and last letter is consonant then the codes of both of them will be code of the third letter.

II. If both first and last letter of the word are vowel then the odd digit code of the word will be replaced with “9”.

III. If first letter of the word is consonant and last letter is vowel then both are to be coded as the code of fourth letter.

IV. If both first and the second last letter are vowels then the code with even numbered digits is replaced with “0”.

V. If the middle letter of the word is vowel, then all the consonants present in the word will be coded as “S#”

If more than one condition applies for a word then, both the codes will be the answer

16) What will be the code of ENGAGEMENT?

- a) 15615@15#3#615
- b) 21615@15#3#615
- c) 18615@15#3#615
- d) 12615@15#3#615
- e) 24615@15#3#615

17) What will be the code of ESTONIA?

- a) #S#S#%S#\$@
- b) #189%6\$@
- c) #021%0\$@
- d) All A, B and C
- e) Cannot Be Determined

18) What will be the code of MIDDLE?

- a) 9\$99279
- b) 9999279
- c) 2799999
- d) 9279999
- e) None of These

19) What will be the code of ERITREA?

- a) #9\$99#@
- b) #15\$2115#@
- c) Both A and B

- d) #\$999#@
- e) #999\$#@

20) What will be the code of PATHOLOGY?

- a) S#@S#S#%S#%S#S#
- b) S#@S#S#%S#%S##S
- c) S#@S#S#%S#%S%S#
- d) S#@S#S#%S#%#S#
- e) S#%S#S#%S#%S#S#

(Direction 21-25): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting with two-digit odd number (for ex- B is coded as 11, C-13, L-27) and again those numbers get repeated (for ex- M-11, N-13 and so on). Also, each vowel is coded with different symbol viz. #, \$, @, % and & respectively.

In a coded language:

Use Masks And Sanitizer: &21\$ 11#212521 #1315
21#13@23@17\$19

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If the first letter of the word is vowel and fifth letter is consonant then the code of the consonant will be the same for the both the letters

II. If the last two letters are vowels then the odd number code will be replaced with “P”

III. If the third letter of the word is consonant and last letter is vowel then both are to be coded as the code of the second letter.

IV. If both first and the second letter are vowel then the code which are in single digit will be replaced with the code of the third letter.

V. If first letter of the word is vowel and the last letter of the word is also vowel then both are to be coded as “1”

If more than one condition applies for a word then, both the codes will be the answer

21) What will be the code of ODESSA?

- a) 2115\$2121#
- b) 115\$21211
- c) Both A and B
- d) Cannot Be Determined
- e) 2115\$21213

22) What will be the code of ASIA?

- a) #21@#
- b) #P@#
- c) 121@1
- d) Both B and C
- e) None of These

23) What will be the code of MAPUTO?

- a) #11#&23#
- b) ##11&23#
- c) 11##&23#
- d) 11##23&#
- e) 11##23#&

24) What will be the code of AUTO?

- a) #&&&
- b) 1&231
- c) #&#&
- d) #&23%
- e) A, B and D

25) What will be the code of ANTARCTICA?

- a) 191323#191323@13#
- b) #1313#191323@1313
- c) 11323#191323@131
- d) All A, B and C
- e) Both A and B

(Direction 26-30): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting with two-digit even number (for ex- B is coded as 10, C-12, L-26) and again those numbers get repeated (for ex- M-10, N-12 and so on). Also, each vowel is coded with different symbol viz. &, @, %, # and \$ respectively.

In a coded language:

Use	Disinfectant	Sprays:	\$20@
14%	20%	1216@1222&1222	201418&1220

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If the first letter of the word is consonant and fifth letter is vowel then the code of the vowel will be the code for the both the letters

II. If the last two letters are consonant then the even number code will be replaced with “A”

III. If the third letter of the word is vowel and last letter is consonant then both are to be coded as the code of the first letter.

IV. If both first and the second letter are consonant then the code which are ending with 0 will be replaced with the code of the second letter.

V. If first letter of the word is consonant and the last letter of the word is also consonant then both are to be coded as “2”

If more than one condition applies for a word then, both the codes will be the answer

26) What is the code of CONVERSATION?

- a) @#1224@1820&22%#12
- b) #@1224@1820&22%#12
- c) 2#1224@1820&22%#2
- d) Both A and C
- e) Both A and B

27) What is the code of PRICING?

- a) AA%A%AA
- b) 14181412%1214
- c) 1418%12%1218
- d) 218%12%122
- e) All of the Above

28) What is the code of SHARJAH?

- a) 2020&1822&20
- b) 0220201822&20
- c) 2020201822&20
- d) 220&1822&2
- e) A, C and D

29) What is the code of FREIGHT?

- a) All of the given options
- b) 1618@%181822
- c) AA@%AAA
- d) 161816%182016
- e) 218@%18202

30) What is the code of TABLET?

- a) &@1026@22
- b) @&1026@22
- c) 2&1026@2
- d) Both B and C
- e) Both A and B

(Direction 31-35): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting with two-digit odd number (for ex- B is coded as 11, C-13, L-27) and again those numbers get repeated (for ex- M-11, N-13 and so on). Also, each vowel is coded with different symbol viz. #, \$, @, % and & respectively.

In a coded language:

Use Masks And Sanitizer: &21\$ 11#212521 #1315
21#13@23@17\$19

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If first letter of the word is vowel and last letter is consonant then the codes of both of them will be of code of the fourth letter.

II. If both first and last letter of the word are consonants then the even digit code of the word will be replaced with “6”.

III. If first letter of the word is consonant and last letter is vowel then both are to be coded as the code of second letter.

IV. If both first and last letter are vowels then the code with odd numbered digits is replaced with “3”.

V. If the middle letter of the word is consonant, then all the vowels present in the word will be coded as “X”

If more than one condition applies for a word then, both the codes will be the answer

31) What will be the code of OCTOBER?

- a) %1323%11\$%
- b) 13%23%11\$%
- c) %323%11\$%
- d) %123%11\$%
- e) %133%11\$%

32) What will be the code of CLAVAM?

- a) 1237#25#11
- b) 3127#25#11
- c) 1372#25#11
- d) 1273#25#11
- e) 1327#25#11

33) What will be the code of QUOTE?

- a) 17&%23\$
- b) &&%23&
- c) &%%23&
- d) &&%32&
- e) &&%3&2

34) What will be the code of AUSTRALIA?

- a) XX212319X27XX
- b) #21&2319#27@#
- c) 𳵟#27@#
- d) #&333#3@#
- e) Both A and D

35) What will be the code of BOOKING?

- a) 11%%25@1319
- b) 11XX25X1319
- c) 11X25XX1319
- d) Both A and B
- e) Both A and C

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

In alphabetical series A-Z each letter except vowels is assigned a different number starting with first five letters will have the code of first five multiple of 11 (for ex- B is coded as 11, C-22, D-33) and next four letters will have the code of first four multiple of 13 and then again next four letters will have the code of first four multiple of 17 and after that next five letters will have the code of first five multiple of 19 and at last next four letters will have the code of first four multiple of 21 and at last Z will be coded as 1. Also, each vowel is coded with different symbol viz. &, @, %, # and \$ respectively.

In a coded language:

Get Your Test: 26@95 84#\$57 95@7695

Besides the above example, following operations are to be applied for coding the words given in the question below:

I. If the first letter of the word is consonant and fifth letter is vowel then the code of the vowel will be the code for the both the letters

II. If the last two letters are consonant then the even number code will be replaced with “A”

III. If the third letter of the word is vowel and last letter is consonant then both are to be coded as the code of the first letter.

IV. If both first and the second letter are consonant then the code which are ending with 0 will be replaced with the code of the second letter.

V. If first letter of the word is consonant and the last letter of the word is also consonant then both are to be coded as “2”

If more than one condition applies for a word then, both the codes will be the answer

36) What will be the code of CAREER?

- a) @&57@@57
- b) 2&57@@2
- c) Both A and B
- d) 257&@@2
- e) Both A and D

37) What will be the code of PRESS?

- a) 1957@AA
- b) 1957197619
- c) 1957@7676
- d) 257@762
- e) All of the Above

38) What will be the code of PRODUCT?

- a) \$57#33\$2295
- b) 1957#33\$A95
- c) 19571933\$2219
- d) 1957#33\$2295
- e) All of the Above

39) What will be the code of CHARGE?

- a) 2239&5726@
- b) 3922&5726@
- c) 2293&5726@
- d) 239&25726@

e) 223&57126@

40) What will be the code of COMMODITY?

- a) ##5151#33%9584
- b) A#5151#33%95A
- c) 2#5151#33%952
- d) A, B, C
- e) None of These

(Direction 41-45): Study the following information carefully and answer the given questions:

In alphabetical series A-Z each letter except vowels is assigned a different number starting with two-digit even number (for ex- B is coded as 10, C-12, L-26) and again those numbers get repeated (for ex- M-10, N-12 and so on). Also, each vowel is coded with different symbol viz. &, @, %, # and \$ respectively.

In a coded language:

Use	Disinfectant	Sprays:	\$20@
14%	20%1216@1222&1222	201418&1220	

Besides the above example, following operations are to be applied for coding the words given in the question below:

If more than one condition applies for a word then, both the codes will be the answer

I. If first letter of the word is vowel and last letter is consonant then the codes of both of them will be coded as per the code second letter.

II. If both first and last letter of the word are consonants then the even digit codes of the word will be replaced with “9”.