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## Logical Reasoning Questions and Answers

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## LOGICAL REASONING QUESTIONS AND ANSWERS

1. Among A, B, C, D and E each having different amount of money, C has more money than only E. B has more money than D out less than A. Who among them has the highest amount of money?  
(1) B (2) A (3) D (4) Data inadequate  
(5) None of these

**Ans.** (2)

2. In a certain code 'GIVE' is written as '51@@' and 'FAIL' is written as '%219'. How is LEAF written in that code ?  
(1) 5©2% (2) 9©2% (3) 9@2% (4) 9©1%  
(5) None of these

**Ans.** (2)

3. Which of the following is the middle digit of the second highest number among the five three digit numbers given below ? 512 739 428 843 654  
(1) 1 (2) 3 (3) 2 (4) 4  
(5) 5

**Ans.** (2)

4. Which of the following is the eighth to the right of the fourteenth from to the right of the fourteenth from the arrangement?  
(1) V (2) 4 (3) % (4) E  
(5) None of these

**Ans.** (5)

5. In a certain code language 'RISE' is written as '8419', and 'MEAL' is written as '5927'. How is 'RAIL' written in that code ?  
(1) 8429 (2) 8124 (3) 8247 (4) 8412  
(5) 2948

**Ans.** (3)

Directions (6 - 10) : In the following questions, the symbols @, ©, \$, % and \* are used with the following meanings as illustrated below:

P © Q means 'P is not smaller than Q'

P -k B means P is not greater than Q

P © Q means P is neither greater than nor smaller than Q

P \$ Q means P is neither smaller than nor equal to Q

P % Q means P is neither greater than nor equal to Q

Now in each of the following questions assuming the given statements to be true, find which of the conclusions I, II, III and IV given below them is/are definitely true and give your answers accordingly.

6. Statements:

K © L, L % O, O @ M, M • N

Conclusions :

I. N © O

II. M \$ L

III. K \* N

IV. L @ N

- (1) Only II is true (2) Only I and II are true (3) Only I is true (4) Either I or II is true  
(5) None is true

**Ans.** (2)

7. Statements:

$A \bullet B, B \$ C, C \% D, D \odot E$

Conclusions:

I.  $D \$ A$

II.  $BS D$

III.  $E \% C$

IV.  $A @ E$

(1) Only I is true

(2) Only either I or II is true

(3) Only I and IV are true

(4) None is true

(5) Only IV is true

**Ans.** (4)

8. Statements:

$F \$ P, P @ R, R \odot S, S \% T$

Conclusions:

I.  $R \% F$

II.  $S \bullet P$

III.  $P \odot T$

IV.  $S \% F$

(1) Only I, II and III are true

(2) Only I and II are true

(3) Only III and IV are true

(4) Only I, II and IV are true

(5) All are true

**Ans.** (4)

9. Statements:

$G \% H, H \bullet I, I \$ J, J @ K$

Conclusions:

I.  $G \% I$

II.  $G \% J$

III.  $K \$ I$

IV.  $H \bullet J$

(1) Only I is true

(2) Only II is true

(3) Only I, II and III are true

(4) Only either I or II and III are true

(5) All is true

**Ans.** (1)

10. Statements:

$V @ W, W \% X, X \bullet Y, Y \$ Z$

Conclusions:

I.  $Z \$ X$

II.  $Y \odot V$

III.  $W \% Y$

IV.  $Y @ W$

(1) Only I and III are true

(2) Only II is true

(3) Only III is true

(4) None is true

(5) Only III and IV are true

**Ans.** (3)

11. What is D's position with respect to B?

(A) Immediate right

(B) Fourth to the right

(C) Third to the left

(D) Immediate left

(1) Only A

(2) Only B

(3) Only B and C

(4) Only D

(5) Only either A or D

**Ans.** (4)

12. Prakash walked 30 metres towards West, took a left turn and walked 20 metres. He again took a left turn and walked 30 metres. He then took a right turn and stopped. Towards which direction was he facing when he stopped ?

(1) South

(2) North

(3) East

(4) Data inadequate

(5) None of these

**Ans.** (2)

13. It is possible to make only one meaningful word with the first, fourth, seventh and the eighth letters of the word 'ELECTORAL', which would be the second letter of the word ? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer.

(1) C

(2) K

(3) X

(4) E

(5) A

**Ans.** (3)

14. The positions of the first and the sixth digits in the number 5109233674 are interchanged. Similarly the positions of the second and the seventh digits are interchanged and so on. Which of the following will be the third digit from the right end after- the rearrangement?

(1) 9

(2) 0

(3) 6

(4) 3

(5) None of these

**Ans.** (2)

15. If A means V, B means  $\times$ , C means '-' and D means '+', then  $4 D 16 A 5 B 8 C 5 = ?$

(1) 9

(2) 16

(3) 13

(4) 7.5

(5) 12

**Ans.** (1)

16. In a certain code MAIN is written as '9364' and DEAR is written as '8532'. How is MEND written in that code ?

(1) 9548

(2) 9458

(3) 9538

(4) 9528

(5) None of these

**Ans.** (1)

17. Peter walks 5 m towards West, takes a right turn and walks 5m again. He then takes another right turn and walks 20m. He then takes a final right turn and walks 5m before stopping. How far is he from the starting point ?

(1) 20m

(2) 5 m

(3) 25 m

(4) 5 m

(5) None of these

**Ans.** (4)

18. How many such pairs of letters are there in the word ENGULFED each of which has as many letters between them in the word as in the English alphabet ?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

**Ans.** (5)

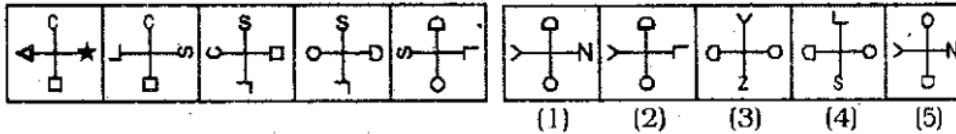
19. Which of the following is the difference between the second digits of the highest and the lowest of these numbers ?

- (1) 3 (2) 1 (3) 2 (4) 0  
(5) None of these

Ans. (3)

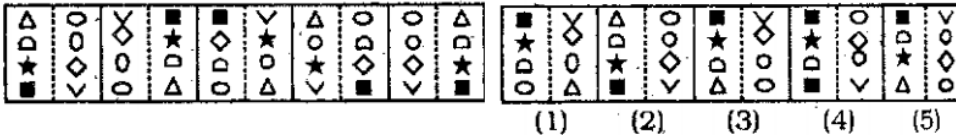
Directions (19 - 24): In each of the questions given below which of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?

20.



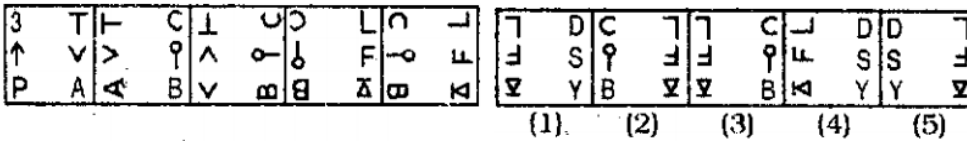
Ans. (1)

21.



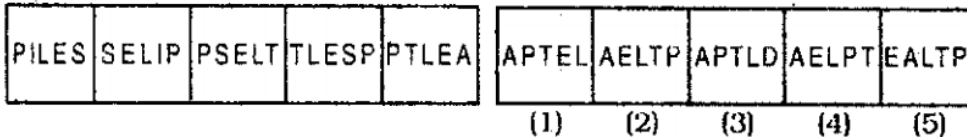
Ans. (3)

22.



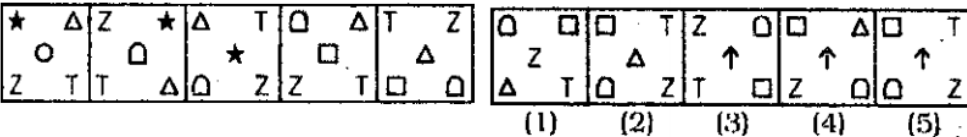
Ans. (1)

23.



Ans. (2)

24.



Ans. (5)

Directions (25 - 29): Study the following arrangement carefully and answer the questions given below :  
L5\$9N\*SE#Q(5U6%@F© V&8AZ7K4WM3C2

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

- (1) %F@ (2) 74K (3) 59\$ (4) #PQ  
(5) 87Z

Ans. (5)

26. How many such letters are there in the above arrangement, each of which is immediately preceded by a symbol and also followed by a symbol ?

- (1) None (2) One (3) Two (4) Three  
(5) More than three

**Ans.** (4)

27. How many such numbers are there in the above arrangement, each of which is immediately preceded by a vowel and immediately followed by a number ?

- (1) None (2) One (3) Two (4) Three  
(5) More than three

**Ans.** (1)

28. Which of the following is the fifth to the left of the sixteenth from the left end of the above arrangement?

- (1) A (2) 8 (3) U (4) P  
(5) None of these

**Ans.** (4)

29. If all the numbers are dropped from the above arrangement, which of the following will be the seventh from the right end of the above arrangement ?

- (1) A (2) & (3) V (4) #  
(5) 9

**Ans.** (2)

30. How many meaningful English words can be made with the letters RTOU using each letter only once in each word ?

- (1) None (2) One (3) Two (4) Three  
(5) More than three

**Ans.** (3)

31. What should come next in the following number series ?

6 8 8 1 2 6 8 6 1 2 3 6 8 8 1 2 3 4 6 8 6 1 2 3 4 5 6 8 ?

- (1) 6 (2) 1 (3) 4 (4) 8  
(5) None of these

**Ans.** (4)

32. How many such pairs of letters are there in the word 'CONFIRM' each of which has as many letters between them in the word as in the English alphabet ?

- (1) None (2) One (3) Two (4) Three  
(5) More than three

**Ans.** (3)

Directions (33 - 37) : Study the following arrangement carefully and answer the questions given below.

Q 9 K # P @ 3 E N S A C \* G @ U I M 7 F I V % 4 Z 8 Y

33. If all the numbers are dropped from the above arrangement, which of the following will be the seventeenth from the right end ?

- (1) E (2) P (3) I (4) C  
(5) @

**Ans.** (5)

34. Which of the following is the sixth to the left of the fifth to the left of V ?

- (1) 3 (2) A (3) N (4) S  
(5) None of these

**Ans.** (4)

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

- (1) IM% (2) CNG (3) 3#N (4) UGC  
(5) GAU

Ans. (4)

36. How many such symbols are there in above arrangement, each of which is immediately preceded by an alphabet and immediately followed by a number?

- (1) None (2) One (3) Two (4) Three  
(5) More than three

Ans. (3)

37. How many such vowels are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a consonant?

- (1) None (2) One (3) Three (4) Two  
(5) None of these

Ans. (2)

38. If 'P' denotes '-', 'Q' denotes '÷', 'R' denotes 'x' and 'W' denotes '+' then — 48 Q 12 R 10 P 8 W 4 = ?

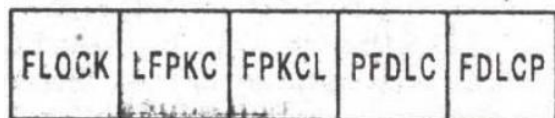
- (1) 56 (2) 40 (3) 52 (4) 44  
(5) None of these

Ans. (5)

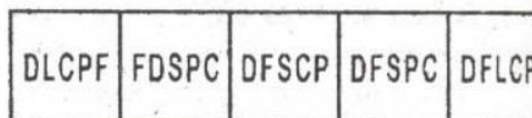
**Directions (39 – 40):** In each of the questions given below which one of the five answer figures should come after the problem figures If the sequence were continued?

39.

**Problem Figures**



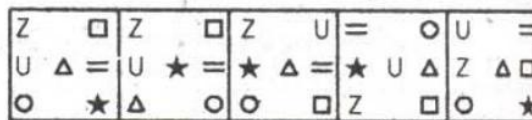
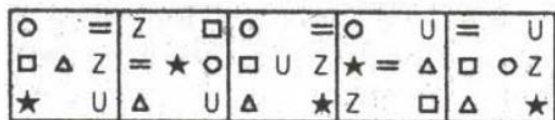
**Answer Figures**



(1) (2) (3) (4) (5)

Ans. (4)

40.



(1) (2) (3) (4) (5)

Ans. (1)

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