Traditional Logic

CET king

Topic	Ques	Target	Yours	Source
Coding	5	5		Blue Books
Data Suffi	5	4		Blue Books
Directions	5	4		Blue Books
Blood Reln	5	4		Blue Books
Symbols	5	5		Blue Books
Input Output	5	5		Blue Books
Total	30	25		

Directions: Read the following information carefully and answer the question below it.

In a certain code language 'milk is very tasty' is written as 'ta la ja sa', 'tea is black' is written as 'ha ja ka' and 'sweet milk and tea' is written as 'ha pa sa ra'.

1. What is the code for 'milk'?
(a) ja (b) la (c) sa (d) pa (e) None of these

2. 'black tea' can be coded as
(a) ha ja (b) ka ha (c) pa ha (d) Can't be determined
(e) None of these

3. Which of the following is coded as 'ta'?
(a) very (b) sweet (c) Either tasty or very (d) black
(e) None of these

4. Which of the following is the code for 'black'?
(a) ra (b) pa (c) Either sa or ka (d) ka (e) None of these

5. 'ja' is the code for
(a) milk (b) and (c) is (d) tasty (e) None of these

In each of the following problems, there is one question and three statements I, II and III given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in each question.

6. Question: What is Suman's rank from the top in a class of forty students ?
Statements:
I Suman is 3 ranks below Deepak from the top.
II Deepak's rank from the bottom is 23.
III Suman is 3 ranks above Deepak from the bottom.
A. Any two of the three   B. Only I and II   C. Only II and III
D. All I, II and III   E. Only II and either I or III

7. Question: Five persons - A, B, C, D and E are sitting in a row. Who is sitting in the middle?
Statements:

I B is between E and C.
II B is to the right of E.
III D is between A and E.
A. Only I and II   B. Only II and III   C. Only I and III
D. All I, II and III   E. None of these

8. Question: How is 'DATE' written in the code language ?
Statements:
I DEAR is written as $#@? in that code.   New Type DS 3 statements
II TREAT is written as %?#@% in that code.
III TEAR is written as %#@? in that code,
A. Only I and II   B. Only II and III   C. All I, II and III
D. Only I and either II or III   E. None of these

9. Question: In which year was Sanjay born ?
Statements:
Sanjay is six years older than Gopal.
I Gopal's brother was born in 1982.
II Sanjay's brother is two years younger than Gopal's brother
III who was eight years younger than Gopal.
A. Only I and II   B. Only II and III   C. Only I and III
D. All I, II and III   E. None of these

10. Question: Who among Siddhartha, Nikunj, Vipul and Mukul is the youngest?
Statements:
I Vipulis younger than Mukul but older than Siddhartha and Nikunj.
II Mukul is the oldest.
III Siddhartha is older than Nikunj.
A. Only I   B. Only I and II   C. Only II and III
D. Only I and III   E. None of these

11. A man is facing west. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 270 degree in the anticlockwise direction. Find which direction he is facing now ?
A.South-West B.West C.South D.East-South E. None

12. A man is facing north. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 45 degree in the anticlockwise direction. Find which direction he is facing now ?
A.North B.East C.West D.South E. None of these

13. One day, Raviraj left home and cycled 20 Km southwards, turned right and cycled 10 km and turned right and cycled 20 Km and turned left and cycled 20 Km. How many kilometres will he have to cycle to reach his home straight ?
A.50 Km B.30 Km C.40 Km D.60 Km E. None of these

14. Pankaj is facing North and moves 20 km, then he turned to his right and moves 20 km and then he moves 10 km in Northeast direction. Then he turned to his right and moves 20 km, and again he turned to his left and 20 km. Now in which direction Pankaj is facing?
(a) South-east (b) South (c) North (d) North-east (e) None

15. Ramu is looking for his wife. He went 90 metres in the east before turning to his right. He went 20 metres before turning to his right again to look for his wife at his brother's place 30 metres from this point. His wife was not there. From here he went 100 metres to

his north before meeting his wife in a street. How far did Ramu meet his wife from the starting point?
(a) 140 m (b) 250 m (c) 80 m (d) 100 m (e) None of these

Directions for Ques 16-17. 'P@Q' means 'Q is the mother of P'
'P$Q' means 'Q is the husband of P'
'P#Q' means 'Q is the sister of P'
'P*Q' means 'Q is the son of P'.
16. If 'A # B $ C * D * E' then how is E related with B?
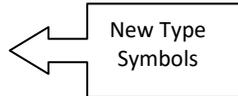(a) son (b) daughter (c) Grand daughter (d) Grand son (e) None

17. If 'A * B @ C * D # E' then how is A related with E?
(a) son (b) daughter (c) Father (d) mother (e) None of these

18. Pointing to a gentleman, Deepak said," His only brother is the father of my daughter's father." How is gentleman related to Deepak?
A.Brother B.Father C.Grand Father D.Uncle E. None of these

19. If Kamal says, "Ravi's mother is the only daughter of my mother", how is Kamal related to Ravi ?
A.Brother B.Father C.Maternal Uncle D.Cousin E. None of these

20. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law." How is the woman's husband related to the man in the photograph ?
A.Grandson B.Son C.Son in law D.Cousin E. None of these

In these questions relationships between different elements is shown in the statements.

New Type Symbols

21. In which of these expressions 'U > W' be definitely false?
A. U>P≥Q=G≥R>W   B. P<A≤U≤T;W≥O>T
C. W≤A≤L=R<U   D. U>C>=F≤H; W<F
E. U>T=O≥P; W<J=P

22. Which of the following symbols should be placed in the blank spaces respectively(in the same order from left to right) in order to complete the given expression in such a manner that both 'N≥Q' as well as 'Q≤M' definitely holds true? M _ N _ P _ Q _ R
A. >, ≥, <, = B. >, >, ≥, < C. ≥, ≥, ≤,≤ D. ≥, =, ≥,<
E. Other than those given as options

23. In Which of the following expressions does the expression 'D=V' to definitely hold true?
A. K ≥ D ≤ R = P < S ≤ V   B. U ≥ V ≥ M = F ≤ A ≥ D
C. D ≥ C > Q ≥ B = N ≤ V   D. G ≥ D = A < B ≤ S ≤ V
E. V ≥ E = G ≥ W = Y ≥ D

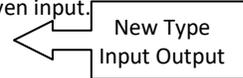24. Which of the following expressions is true if the expression P<T<=B>S>M>=A is definitely true?
A. A ≤ P B. S < P C. M > P D. A < B E. T ≤ M

25. In which of these expressions 'S > V' and 'V > B' be definitely false?
A. S>P≥Q=G≥R>V>B   B. P<A≤S≤T;V≥O>T<B
C. B>V≤A≤L=R<S   D. S>C>=F≤H; B>V<F
E. S>T=O≥P; B<V<J=P

Input : ant real order world sunk india man undo catch eat

Step I : undo ant real order world sunk india man eat catch
Step II : undo order ant real world sunk india eat man catch
Step III : undo order india ant world sunk eat real man catch
Step IV : undo order india eat ant world sunk real man catch
And step IV is the last step of the rearrangement As per the rules followed in the above steps, find out in each of the following question the appropriate steps for the given input.
Input for the question

New Type Input Output

Input : horn simple anger best onto danger moon upto erase into

26. Which of the following would be the final arrangement?
(a) best horn danger moon simple upto onto into erase anger
(b) upto onto into erase anger best danger horn moon simple
(c) upto onto into erase anger simple moon horn danger best
(d) upto onto into erase anger simple danger horn moon best
(e) None of these

27. In step III, which of the following word be at 6th position from the left? (a) moon (b) anger (c) simple (d) horn (e) None of these

28. Which step number would be the following output?
upto onto horn simple anger moon erase into danger best.
(a) II (b) III (c) V (d) IV (e) None of these

29. In step IV of the rearrangement, if onto is related to erase and moon is related to danger in a certain way, to which of the following would anger be related to, following the same pattern?
(a) moon (b) into (c) simple (d) horn (e) None of these

30. Which of the following would be step VII?
(a) upto onto into erase anger simple moon horn danger best
(b) upto onto into erase anger moon simple danger horn best
(c) upto onto into erase anger best danger horn moon simple
(d) upto onto into erase simple anger moon horn danger best
(e) There will be no such step as the input gets rearranged before step VII

SOLUTIONS
CODING DECODING: C B C D C
DATA SUFFICIENCY EDDDD
DIRECTIONS = ADBAD
BLOOD RELATIONS = DC DCA

Milk	sa
is	ja
tea	ha
black	ka
Very/ tasty	ta/la
Sweet/ and	pa/ra

SYMBOLS
Answer – B. P<A≤U≤T;W≥O>T
Answer – D. ≥, =, ≥,<
Answer – E. V ≥ E = G ≥ W = Y ≥ D
Answer – D. A < B
Answer – B. P<A≤S≤T;V≥O>T<B

SEQUENTIAL OUTPUT
Words that start with vowel are arranged in decreasing alphabetical order on the left and the words that start with consonant are arranged on the right.
Answers: C A A A D