Quiz Date: 9th October 2020

Directions (1-5): Study the following information carefully and answer the given questions. Eight friends are sitting around a square table facing the centre in such a way that four of them sit at four corners while four sits at the middle of each side. All of them facing inside. Each of them has different hobbies. The person who likes Singing sits opposite to A. The one who likes Travelling doesn't sit at any of the four corners. Only two persons sit between D and B. F sits second to the left of A, who likes Cooking. Friends who like Painting and Gardening sit diagonally opposite to each other. E is not an immediate neighbour of F, who likes Reading. G does not sit at any of the corners and sits second to the right of D. G is not an immediate neighbour of C. H sits second to left of B. E is not an immediate neighbour of G. C does not like painting. The person who likes Dancing is not an immediate neighbour of A and H. F sits at the middle of one of the sides of the table. One of the persons like Writing. H does not like dancing.

- Q1. Who sits second to the right of the one who likes writing?
- (a) B
- (b) F
- (c) The one who likes singing
- (d) H
- (e) None of these

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- Q2. Who among the following likes dancing?
- (a) E
- (b) A
- (c) B
- (d) C
- (e) None of these

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- Q3. Who among the following sits third to the left of H?
- (a) F
- (b) The one who sits immediate right of C
- (c) G
- (d) The one who likes Reading
- (e) None of these
- Q4. Which of the statement is not true about G?
- (a) C sits third to the right of G
- (b) G likes writing
- (c) D sits second to the left of G
- (d) The one who likes dancing is an immediate neighbour of G
- (e) Both (b) and (d)
- Q5. Who among the following likes Gardening?
- (a) The one who sits immediate right of F
- (b) A

- (c) G
- (d) The one who sits opposite to B
- (e) None of these

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

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: welcome 37 clever 24 19 rotate 61 student nearest 35 young 88

Step I: 20 welcome 37 24 rotate 61 student nearest 35 young 88 clever

Step II: 26 20 welcome 37 rotate 61 student 35 young 88 clever nearest

Step III: 34 26 20 welcome 37 61 student young 88 clever nearest rotate

Step IV: 38 34 26 20 welcome 61 young 88 clever nearest rotate student

Step V: 62 38 34 26 20 young 88 clever nearest rotate student welcome

Step VI: 90 62 38 34 26 20 clever nearest rotate student welcome young

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input: 43 fighter 77 system 27 brave 32 operation 20 master 23 project

Q6. Which of the following element is 4^{th} from the left of the element which is 3^{rd} from the right end in step IV?

- (a) 22
- (b) master
- (c)77
- (d) brave
- (e) None of these



- Q7. Which of the following element is 6th from the left end in step III?
- (a) 43
- (b) Operation
- (c) 32
- (d) System
- (e) None of these

Q8. What is the sum of the numbers which is 4^{th} from the left end in step V and the number which is 3^{rd} from the left end in step II?

- (a) 38
- (b) 67
- (c) 50
- (d) 47
- (e) None of these

Q9. What is the multiplication of the digits within the number which is 5^{th} from the left end in step III?

- (a) 64
- (b) 50
- (c) 49
- (d) 25
- (e) None of these
- Q10. Which of the following element is 6^{th} to the right of the element which is 10^{th} from the right end in step V?
- (a) Fighter
- (b) Brave
- (c)77
- (d) 22
- (e) None of these

Direction (11-13): In the following questions, the symbols #, &, @, *, \$, % and \odot are used with the following meanings as illustrated below. Study the following information and answer the given questions:

A@B- A is the child of B.

A©B- A is the parent of B

A%B- A is father-in-law of B

A&B- A is brother-in-law of B

A\$B- A is brother of B

A*B- A is wife of B

A#B- A is sister-in-law of B

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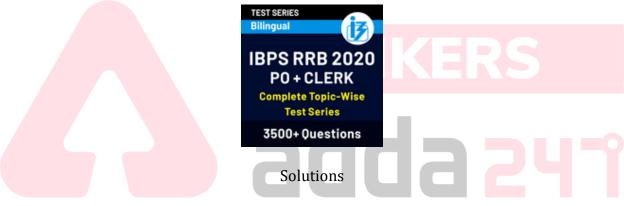
- Q11. If the expression 'P@Q\$R@T#U, U@X©P' is true, then how Q is related to X?
- (a) Granddaughter
- (b) Daughter
- (c) Son-in-law
- (d) Grandson
- (e) None of these
- Q12. If the expression 'A%D*E@F©K\$H' is true, then who among the following is sister-in-law of H?
- (a) E
- (b) D
- (c) A
- (d) F
- (e) None of these
- Q13. If the expression 'G&M*N@P©K*L', 'G\$N' is true, then which of the following is true?
- (a) N is sister of K
- (b) G is son of P
- (c) L is daughter-in-law of P
- (d) K is brother of N
- (e) None is true

Q14. How many pairs of letters are there in the word 'RESTRICTIONS', each of which have as many letters between then in the word as they have between then in the English alphabet?

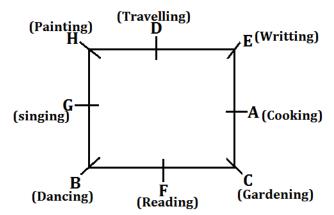
- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) More than four

Q15. How many words can be formed from the 1st, 5th, 6th and 8th letter of a word 'SMARTPHONE' by using each letter once in the word?

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



Solutions (1-5): Sol.



- S1. Ans.(d)
- S2. Ans.(c)
- S3. Ans.(b)

S4. Ans.(b) S5. Ans.(a)

Solutions (6-10):

In each step only one word and one number is getting arranged.

- (i) The words are arranged in ascending order according to the English alphabetical series from left to right.
- (ii)- Numbers are arranged in increasing order from left. If number is prime number add 1 in that number. if number is even (except prime number) add 2 and if number is odd number (except prime number) subtract 1 in that number. In the final step numbers are arranged in decreasing order from left end and words are arranged in increasing order.

Input: 43 fighter 77 system 27 brave 32 operation 20 master 23 project Step I: 22 43 fighter 77 system 27 32 operation master 23 project brave Step II: 24 22 43 77 system 27 32 operation master project brave fighter Step III: 26 24 22 43 77 system 32 operation project brave fighter master Step IV: 34 26 24 22 43 77 system project brave fighter master operation Step V: 44 34 26 24 22 77 system brave fighter master operation project Step VI: 76 44 34 26 24 22 brave fighter master operation project system

S6. Ans.(c) S7. Ans.(d)

S8. Ans.(b)

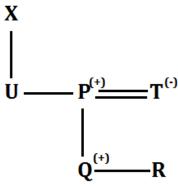
S9. Ans.(c)

S10. Ans.(a)

Solutions (11-13):

S11. Ans.(d)

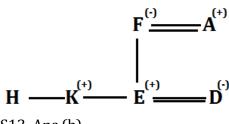
Sol.



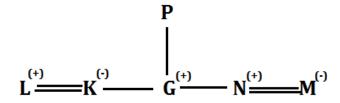
S12. Ans.(b) Sol.







S13. Ans.(b) Sol.



S14. Ans.(e)

S15. Ans.(e)



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