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49. Pointing out to a lady, Rajan said, "She is the daughter of the woman who is the mother of the husband of my mother." Who is the lady to Rajan ?

- (a) Aunt
- (b) Granddaughter
- (c) Daughter
- (d) Sister

50. Y @ Z means Y is the father of Z

Y & Z means Y is the mother of Z

Y * Z means Y is the son of Z

Y # Z means Y is the daughter of Z

Y \$ Z means Y is the brother of Z

Y % Z means Y is the sister of Z

Which of the following means that A is the grandson of B ?

- (a) A & R * S * B
- (b) A \$ R # S @ B
- (c) A \$ R # S * B
- (d) A % R # S * B

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Roll No.

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**M. C. A./M. SC. DATA SCIENCE
(FIRST SEMESTER) MID SEMESTER
EXAMINATION, Nov., 2022**

**PROFESSIONAL COMMUNICATION AND
CAREER SKILLS-I**

Time : 1½ Hours

Maximum Marks : 50

Instructions for students :

- (i) This question paper has 50 questions. Attempt all questions. Each question carries equal marks.
- (ii) It is compulsory to write the SET on the OMR.
- (iii) Use of a Calculator is not allowed.
- (iv) There is no negative marking for incorrect responses.

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SET-A

Directions (Q. Nos. 1-10) : Identify the error in the given sentences and mark the part containing the error as your options In case of no error, mark (d) as your answer.

1. Everyone (a)/must sign their full name(b)/ before entering the examination hall(c)/No error (d).
2. The scientist must follow (a)/ his hunches and his data (b)/ wherever it may lead (c)/ No error (d)
3. The book, together with(a)/ its writer have been(b)/ appreciated by all(c)/ No error(d).
4. Each of the Girl Scouts(a)/ work (b)/for a community service project(c)/No error (d)
5. The judge was convinced (a)/that neither (b)/of the accused were guilty. (c)/ No error (d)
6. Either the soldier (a)/ or the gate-keepers over (b)/ there failed in his primary duty(c)/No error (d)
7. If I had met (a)/you earlier, I would recommend (b)/your name for this position(c)/No error(d).

8. The actress said in an interview (a)/that she find it difficult to meet everyone's expectations (b)/so she has decided to choose roles completely by herself(c) /No error(d)
9. The number of people(a)/ falling prey to scams (b)/are increasing day by day.(c)/No error.(d)
10. Had you given me(a)/ a heads up in advance, (b)/ I would be very careful.(c)/ No error.(d)

Direction (Q. Nos. 11-15) : Choose the option which represents the best way of writing the sentence.

11. (a) The assignments were made too hastily, without enough thought behind it.
(b) The assignments were made too hasty, without enough thought behind it.
(c) The assignments were made too hastily, without enough thought behind them.
(d) The assignments were made too hasty, and there is not enough thought behind them.

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12. (a) Paige wrote a screenplay, a book of poetry, and also wrote a stand-up comedy set.

(b) Paige wrote a screenplay, is working on a book of poetry, and a stand-up comedy set.

(c) Paige wrote a screenplay, a book of poetry, and a stand-up comedy set.

(d) Paige wrote a screen play, has written a book of poetry, and also wrote a stand-up comedy set.

13. (a) If we win the competition, we would have had a free trip to Moscow.

(b) If we had won the competition, we would have had a free trip to Moscow.

(c) If we won the competition, we would have had a free trip to Moscow.

(d) If we had won the competition, we had a free trip to Moscow.

14. (a) Each of the delegates present in the session have delivered their speech.

(b) Each of the delegates present in the session has delivered their speech.

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(c) Each of the delegates present in the session have delivered his speech.

(d) Each of the delegates present in the session has delivered his speech.

15 (a) The committee were divided in its opinion regarding the issue.

(b) The committee was divided in their opinion regarding the issue.

(c) The committee were divided in their opinion regarding the issue.

(d) The committee was divided in its opinion regarding the issue.

Direction (Q. Nos. 16-20) : Choose the correct option out of the given choices to make the sentence grammatically correct.

16. If Maria and Sharon _____ for another 20 minutes, they would have seen the movie.

(a) would wait

(b) waited

(c) had waited

(d) would have waited

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17. If Mark and Pete _____ here, they would play in our Football team.

(a) had been

(b) will be

(c) were

(d) would have been

18. If he _____ my batch mate, I would invite him to my wedding reception.

(a) was

(b) had been

(c) were

(d) is

19. If India played harder, it _____ better at the tournament.

(a) would have been

(b) were

(c) would be

(d) will be

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20. If Carol and Carla had money, they _____ a luxurious house.

(a) would have bought

(b) would buy

(c) they will buy

(d) they bought

Directions (Q. Nos. 21-23) : Study the following information carefully and answer the questions given below :

There are 3 married couples in a family of three generations. P is the grandson of W. V is the mother-in-law of R. S and T are brothers. Q is the only nephew of T. U is the sister-in-law of S. Q is the son of R.

21. How is Q related to W ?

(a) Grandson

(b) Granddaughter

(c) Son

(d) Nephew

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22. How is U related to V ?

- (a) Daughter
- (b) Wife
- (c) Granddaughter
- (d) Daughter-in-law

23. Who is the uncle of P ?

- (a) Q
- (b) R
- (c) S
- (d) T

Directions (Q. Nos. 24-25) : Study the following information carefully and answer the questions given below :

$M + N$ means M is the father of N

$M * N$ means M is the sister of N

$M \$ N$ means M is the wife of N

$M \% N$ means M is the mother of N

$M \div N$ means M is the son of N

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24. What should come in place of question mark in the following expression to establish that J is the brother of T ?

$$J \div P \% H ? T \% L$$

- (a) *
- (b) \div
- (c) \$
- (d) Either \div or *

25. Which one of the given expressions indicates that M is the daughter of D ?

- (a) $L \% R \$ D + T * M$
- (b) $L + R \$ D + M * T$
- (c) $L \% R \% D + T \div M$
- (d) $D + L \$ R + M * T$

Directions (Q. Nos. 26-28) : Study the following information carefully and answer the given questions.

Seven persons A, B, C, D, E, F and G sit around a circular table such that number of persons facing

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away from the centre is one less than those facing towards the centre. No two persons with names starting with consecutive alphabets are immediate neighbours of each other.

F sits 3rd to the left of A. B sits to the immediate right of G, who faces towards the centre. D sits 2nd to the left of E. E and A face different directions. C and F face same direction. B faces towards the centre.

26. What is the position of G with respect to F ?

- (a) 2nd to the left
- (b) 2nd to the right
- (c) 3rd to the right
- (d) 3rd to the left

27. A sits 3rd to the left of _____.

- (a) E
- (b) G
- (c) C
- (d) B

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28. Which among the following statements is true ?

- (a) B and D face different directions.
- (b) F sits 3rd to the left of D
- (c) A sits 2nd to the right of C
- (d) G sits 2nd to the right of F.

Directions (Q. Nos. 29-32) : Study the given information carefully and answer the following questions.

Eight persons are sitting in a linear row such that alternate persons are facing opposite directions (i.e., if a person is facing south, his immediate neighbors will face north and vice versa). G is sitting at the corner. F is sitting second to the right of G. A is sitting to the immediate right of F. Two persons are sitting in between A and V. Z is a neighbor of V. R is sitting to the immediate right of Z. Q is to the right of R. D is facing north.

29. Who is sitting to the immediate left of D ?

- (a) G
- (b) F
- (c) A
- (d) R

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30. Who is sitting second to the right of Q ?

- (a) D
- (b) Nobody
- (c) Z
- (d) V

31. Which of these pairs are facing north ?

- (a) VR
- (b) RA
- (c) DV
- (d) AZ

32. If all the persons are facing south, then which of the following persons need not to change the direction in which they were sitting previously ?

- (a) F
- (b) G
- (c) R
- (d) All the above

Direction (Q. Nos. 33-35) : Answer the questions based on the information given below.

10 persons Z, Y, X, W, V, N, M, L, K and J are sitting in two rows i.e. Row I and Row II. Z, Y, X, W, V are sitting in Row I and facing towards the south direction and remaining are sitting in Row II and facing towards north such that each person of Row I is facing the person sitting opposite to him in Row II.

N sits second from the right end of the row. Only one person sits between V and Z. Only one person sits between the one, who is facing Z and L, who is the neighbor of M. Y and K are sitting opposite to each other also the one who is facing K, sits to the immediate right of W. The one, who is facing N, is sitting to the immediate left of V.

33. Who sits at the right end of row 2 ?

- (a) K
- (b) J
- (c) N
- (d) L

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34. Who sits opposite to V ?

(a) L

(b) N

(c) J

(d) K

35. How many persons are sitting to the right of W ?

(a) 3

(b) 2

(c) 1

(d) None of these

Direction (Q. Nos. 36-38) : Answer the questions based on the information given below.

Six persons are staying on three floors numbered 1-3 from bottom to top. Each floor has two flats A and B, where flat B is to the west of flat A and the length of each flat is the same. Only one person is staying in each flat.

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Sum of the floor numbers of P and O is four. E and F do not live in the same flat. Noone lives to the east of O. G and H do not live in the same flat. E, who lives in an even-numbered floor, lives on the floor immediately above F's floor. There is one floor in between the floors on which G and O live.

36. Who lives to the west of E ?

(a) H

(b) P

(c) O

(d) G

37. Who lives in the north-east of H ?

(a) No one

(b) only E

(c) G and E

(d) only G

38. Who among the following lives in flat A ?

(a) P, O, H

(b) G, E, O

(c) H, E, F

(d) None of these

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Direction (Q. Nos. 39-41) : Answer the questions based on the information given below.

A family has 10 members namely P, Q, R, S, T, U, V, W, X and Y which has three generations in the family. The number of males is equal to number of females. Either not or none of the parents are alive.

R is U's mother and is married to P. X is married to U and is father of S. Q is the only son of P. W has only two cousins of different genders. P has exactly two grandsons S and T. Y is W's aunt.

39. What is the relation of W with Q ?

- (a) Daughter
- (b) Nephew
- (c) Niece
- (d) Son

40. If O is married to W, then how is X's wife related to O ?

- (a) Mother-in-law
- (b) Father-in-law
- (c) Father
- (d) Cannot be determined

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41. Who is daughter-in-law of R ?

- (a) X
- (b) Y
- (c) V
- (d) S

42. X + Y means X is the mother of Y

X - Y means X is the brother of Y

X % Y means X is the father of Y

X * Y means X is the sister of Y

Which of the following shows that P is the maternal uncle of Q ?

- (a) $P - S + N \% Q$
- (b) $Q - N + M * P$
- (c) $P + S * N - Q$
- (d) $P - M + N * Q$

43. Looking at the photograph of a lady, B said,

"She is the sister of the son of the wife of my husband." How is that lady related to B ?

- (a) Mother
- (b) Daughter
- (c) Son
- (d) Can't be determined

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Directions (Q. Nos. 44-47) : Study the following information carefully and answer the questions given below :

In a group, 5 friends Amit, Akash, Ashu, Avdesh and Veenit have an exclusive and different preference for a colour, a bike, and a watch. Colour preferences are Red, Pink, Green, Grey and Blue. Bikes preferences are Karizma, Pulsar, Passion, Discover and Splendor. Watch preferences are Timex, Titan, Fastrack, Citizen and Samay. But not necessary in the same order.

Amit like Discover and Red colour but does not prefer Titan and Fastrack. The one who has Pulsar prefer Fastrack. Ashu has preference for splendor, Blue colour and Samay. Avdesh has preference for Pink colour and Timex. Veenit prefers Karizma and Grey.

44. Whose preference is Pulsar ?

- (a) Akash
- (b) Avdesh
- (c) Veenit
- (d) Cannot be determined

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45. Which colour does Amit like ?

- (a) Pink
- (b) Blue
- (c) Grey
- (d) None of these

46. Which watch is Amit's preference ?

- (a) Titan
- (b) Fastrack
- (c) Cannot be determined
- (d) None of these

47. Which colour does Ashu like ?

- (a) Pink
- (b) Blue
- (c) Grey
- (d) Cannot be determined

48. Pointing out to a photograph, a man tells his friend, "She is the daughter of the only son of my father's wife." How is the girl in the photograph related to the man ?

- (a) Daughter
- (b) Cousin
- (c) Mother
- (d) Sister

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