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Roll No.

XBC-301/XBI-301/

MBH-305/PBH-304/

ESE-301/BBA-306/

BOV-305/BCH-307/

LNC-316/BEH-306(A)

B. C. A./B. SC. (IT)/B. SC. MATHS/

B. SC. PHYSICS/B. A. ENGLISH/

**B. B. A./B. VOC. IN ACCOUNTING
AND FINANCE / B. COM. / B. A. LL. B./**

B. B. A. LL. B./B. A. ECONOMICS

(THIRD SEMESTER)

MID SEMESTER EXAMINATION, 2022

CAREER SKILLS

Time : 1½ Hours

Maximum Marks : 50

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(2) XBC-301...BEH-306(A)

SET-A

Instructions for students :

- (i) This question paper has 50 questions.
- (ii) Attempt all questions.
- (iii) Each question carries equal marks.
- (iv) There is no negative marking for incorrect responses.
- (v) Use of calculator is not allowed.

(vi) It is compulsory to write the SET on the OMR.
Directions (Q. Nos. 1-4) : Answer the questions based on the information given below :

Two teams of five each must be selected from a group of ten persons—A through J—of which A, E and G are doctors; D, H and J are lawyers; B and I are engineers; C and F are managers. It is also known that :

- (i) Every team must contain persons of each of the four professions.
- (ii) C and H cannot be selected together.
- (iii) I cannot be selected in a team with two lawyers.
- (iv) J cannot be in a team with two doctors.
- (v) A and D cannot be selected together.

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1. If C and G are in different teams, then who are the other team members of A ?
 - (a) C, D, E and I
 - (b) B, C, H and J
 - (c) B, F, I and J
 - (d) F, H, I and G
2. Who among the following cannot be in the same team as I ?
 - (a) H
 - (b) J
 - (c) C
 - (d) F
3. Who among the following must always be in the same team as A ?
 - (a) D
 - (b) B
 - (c) H
 - (d) J
4. If F and G are in the same team, which among the following statements is true ?
 - (a) B and H would be in the other team (which does not include F and G).

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- (b) E and I must be in the same team as F.
- (c) H must be in the same team as F and B must be in the other team (which does not include F).
- (d) C must be in the other team (which does not include F) and D must be in the same team as F.

Directions (Q. Nos. 5-8) : Answer the questions based on the information given below :

Nine people in a family have to go out for dinner. There are two available cars – Car 1 and Car 2 – each of which can accommodate five persons. But there are certain conditions that need to be followed.

- (i) Vats will always go in Car 1 and does not want Aks in the same car.
- (ii) Exactly two out of three children–Meh, Rey and Dan–will be in one car.
- (iii) Chat and Nag will always be together.
- (iv) If Ana and Aks are in the same car, then Vij will also be in the same car.
- (v) Any car cannot have more than five persons.

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- 5. If Meh and Rey are in Car 1, how many different combinations are possible ?
 - (a) 6
 - (b) 5
 - (c) 3
 - (d) 4
- 6. If Ana and Aks are not in the same car, then which among the following cannot be the complete list of the occupants of Car 1 ?
 - (a) Vats, Ana, Chat, Nag, Rey
 - (b) Vats, Ana, Vij, Rey, Meh
 - (c) Vats, Nag, Chat, Ana
 - (d) Vats, Ana, Rey, Dan
- 7. If Ana is in Car 2 which has four persons, then which of the following is definitely true ?
 - (a) Nag is in Car 2.
 - (b) Car 1 has exactly one child.
 - (c) Vij is in Car 1.
 - (d) Car 2 has exactly one child.
- 8. If Chat is in Car 2, then who among the following is definitely in Car 1 ?
 - (a) Rey
 - (b) Vij
 - (c) Ana
 - (d) Dan

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Directions for (Q. Nos. 9-11) : Study the following information carefully and answer the questions given below :

The Pune team were participating in the IPL for the 2nd time. They already had local players and wanted to select 5 more players. They decided to select 1 WK, 2 Bowlers and 2 Batsmen.

The WKs were Mathew Wade and Adam Gilchrist.

The Bowlers were Brett Lee, Mitchel Johnson and Stuart Clark.

The Batsmen were Shaun Marsh, David Warner, David Hussey and Michael Hussey.

Further conditions are as follows :

- (i) Mathew Wade and David Hussey cannot be selected together.
- (ii) Brett Lee is to be definitely selected.
- (iii) Exactly 1 from Shaun Marsh and David Warner must be selected.
- (iv) Mitchel Johnson and David Hussey cannot be selected together.

9. If Mathew Wade is selected, in how many ways can the 5 players be selected ?

- (a) 4
- (b) 2
- (c) 3
- (d) None of the above

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10. Which among the following is not an acceptable combination of the 5 players to be selected ?

- (a) Mathew Wade, Brett Lee, Mitchel Johnson, Shaun Marsh, Michael Hussey
- (b) Adam Gilchrist, Mitchel Johnson, Brett Lee, David Warner, Michael Hussey
- (c) Mathew Wade, Brett Lee, Mitchel Johnson, David Warner, Michael Hussey
- (d) None of the above

11. Who among the following cannot be selected together ?

- (a) Brett Lee, Mitchel Johnson
- (b) Stuart Clark, Brett Lee
- (c) Mitchel Johnson, Stuart Clark
- (d) None of the above

12. Miss Sneha introduced a person to Deepti and said, "He is your sister's paternal grandfather and also my only brother's father." How is Sneha related to Deepti ?

- (a) Mother
- (b) Sister
- (c) Grandmother
- (d) Aunt

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13. How is my maternal grandfather related to my sister's father's mother's only daughter-in-law ?

- (a) Daughter
- (b) Son
- (c) Uncle
- (d) Father

14. Pointing to the photograph, Cuckoo said, "He is the only son of my father's only daughter." How is the person in the photograph related to Cuckoo if Cuckoo is female ?

- (a) Brother
- (b) Cousin
- (c) Son
- (d) Nephew

Directions (Q. Nos. 15-16) : Answer the questions based on the information given below :

There are seven members A, B, C, D, E, F and G in a family, which consists of three generations.

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B is the husband of D's sister. G is the nephew of D. C is the granddaughter of E and sister of G. F is the wife of E and has more than one child.

15. How is A related to E ?

- (a) Sister
- (b) Daughter
- (c) Daughter-in-law
- (d) Mother

16. How is D related to C if E has only one daughter ?

- (a) Aunt
- (b) Paternal Uncle
- (c) Mother-in-law
- (d) Maternal Uncle

Directions (Q. Nos. 17-18) : Answer the questions based on the information given below :

There are 7 members S, T, U, V, W, X and Y in a family, which consists of two married couples and there is no single parent in the family.

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V is the brother of U's father. T is the mother of W, who is the sister of U. T has only one daughter. X is the daughter of Y, who is neither married to V nor W.

17. How is Y related to T?

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

18. How is X related to V?

- (a) Daughter
- (b) Niece
- (c) Brother's daughter
- (d) Brother's granddaughter

Directions (Q. Nos. 19-21) : 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.

19. How is Q related to W?

- (a) Grandson
- (b) Granddaughter
- (c) Son
- (d) Nephew

(11) XBC-301...BEH-306(A)

20. How is U related to V?

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

21. Who is the uncle of P?

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

Directions (Q. Nos. 22-23) : 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.

22. 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 *

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23. 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. 24-25) : Study the following information carefully and answer the questions given below :

$Y @ Z$ 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.

24. 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) $A \% R \# S * B$

(13) XBC-301...BEH-306(A)

25. Which of the following means H is the father of L ?

- (a) $H @ I \% J \# K \& L$
- (b) $H \& I \% J \# K @ L$
- (c) $H @ I \% J \# K @ L$
- (d) $H @ I \# J @ K \$ L$

Directions (Q. Nos. 26-29) : Answer the questions based on the information given below :

Seven persons A, B, C, D, E, F and G bought different fruits among Apple, Banana, Cherry, Grape, Guava, Mango and Melon. Each of them bought different number of fruits among 2, 5, 7, 9, 10, 12 and 23.

- (i) E does not buy prime number of fruits.
- (ii) Neither E nor C bought Cherries.
- (iii) C bought more fruits than G, who bought more fruits than E.
- (iv) Neither A nor C bought Banana. A does not buy Apple.
- (v) D bought 7 Melons. G bought Mango.
- (vi) A bought 3 more fruits than that of B, who bought Guava.
- (vii) One person bought 10 Cherries.

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(14) XBC-301...BEH-306(A)

26. Who among the following bought Cherry ?

- (a) E
- (b) F
- (c) B
- (d) A

27. _____ bought Grape.

- (a) A
- (b) C
- (c) F
- (d) E

28. What is the difference in number of fruits that C and F bought ?

- (a) 14
- (b) 7
- (c) 13
- (d) 20

29. Which of the following pairs is correct ?

- (a) E, 9
- (b) B, Apple
- (c) A, 12
- (d) G, 10

(15) XBC-301...BEH-306(A)

Directions (Q. Nos. 30-33) : Read the following information carefully and answer the questions given below :

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row-1, A, B, C, D and E are seated and all of them are facing South. In row-2, P, Q, R, S and T are seated and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

- (i) B sits second to the left of D.
- (ii) The person facing B sits to the immediate right of R.
- (iii) P sits second to the left of R.
- (iv) Only two people sit between P and T.
- (v) E is not an immediate neighbour of D.
- (vi) S does not face E.
- (vii) C neither faces R nor sits at an extreme in the line.

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30. Who sits opposite to E ?

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

31. Who among the following is sitting at the extreme end of the row ?

- (a) D
- (b) C
- (c) T
- (d) R

32. Who sits in the middle of row 1 ?

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

33. Which of the following statements is false ?

- (a) E sits at one of the ends of the row.
- (b) T sits 2nd to the right of S.
- (c) C is not an immediate neighbour of D.
- (d) B sits in the middle of any row.

(17) XBC-301...BEH-306(A)

Directions (Q. Nos. 34-37) : Answer the questions based on the information given below :

Seven persons A-G are sitting around a circular table facing the centre and are playing different games viz : COD, PUBG, IR, Pain, Fortnite, DR and NC but not in same order. B sits third to the left of D. Only one person sits between B and G. The one who plays Fortnite sits to the immediate right of G. F, who plays DR, sits second to the right of the one who plays Fortnite. A, who plays Pain, sits second to the left of E but E is not the neighbour of B. The one who plays IR sits adjacent to G, who plays COD and the one who plays PUBG.

34. Who among the following person plays NC ?

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

35. Who sits 2nd to the right of the one who plays PUBG ?

- (a) G
- (b) The one who plays IR
- (c) The one who plays COD
- (d) Both (a) and (c)

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(18) XBC-301...BEH-306(A)

36. Three of the following four are related to each other in some way, thus formed a group. Choose the one which does not belong to that group :

- (a) A and B
- (b) B and G
- (c) G and A
- (d) E and A

37. Who among the following plays IR ?

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

Directions (Q. Nos. 38-41) : Answer the questions based on the information given below :

Nine persons sit in a straight row facing north direction. One person sits between Y and R, who sits at one of the extreme ends. Four persons sit between Y and U. S sits to the immediate right of U. W sits 3rd to the right of T, who doesn't sit adjacent to Y. Z sits 2nd to the right of X. At least two persons sit to the left of V.

(19) XBC-301...BEH-306(A)

38. How many persons sit to the left of V ?

- (a) 4
- (b) 5
- (c) 3
- (d) 2

39. Who among the following pairs is different from others ?

- (a) T, S
- (b) S, V
- (c) V, Y
- (d) W, Z

40. Who sits 2nd to the right of W ?

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

41. Who among the following doesn't sit to the right of U ?

- I. T

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II. V

III. Y

(a) Both II and III

(b) Only III

(c) Both I and III

(d) None of the above

Directions (Q. Nos. 42-45) : Answer the questions based on the information given below :

Eight persons namely, G, H, I, J, K, L, M and N are sitting around a circular table equidistant from each other. Number of persons facing the centre is less than those who are facing away from the centre.

- (i) L is sitting 3rd to the right of H and both of them are facing the same direction.
- (ii) I and K are facing the opposite direction.
- (iii) One person is sitting between M and N.
- (iv) Immediate neighbours of N are facing the opposite direction of N.
- (v) One person is sitting between I and G.
- (vi) Immediate neighbours of J are facing the opposite direction of J.
- (vii) M is sitting 2nd to the right of L.
- (viii) K is sitting 3rd to the left of N.

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42. _____ is sitting opposite to I.

(a) H

(b) K

(c) Either (a) or (b)

(d) N

43. Find the odd one out :

(a) M

(b) H

(c) K

(d) J

44. How many persons are sitting between K and M, when counted from the right of M ?

(a) 3

(b) 2

(c) 4

(d) 1

45. What is the position of H with respect to J ?

(a) Immediate right

(b) 2nd to the right

(c) Immediate left

(d) 4th to the left

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(22) XBC-301...BEH-306(A)

Directions (Q. Nos. 46-50) : Answer the questions based on the information given below :

There are 5 friends A, B, C, D and E and they like 5 shoes of different companies—Puma, Adidas, Reebok, Woodland and Nike. They play five different games – Football, Cricket, Kabaddi, Badminton and Tennis. They earn different salaries i.e. ₹ 15,000; ₹ 18,000; ₹ 20,000; ₹ 24,000 and ₹ 25,000.

- (i) The one who likes Puma shoes, earns ₹ 18,000.
- (ii) D earns ₹ 5,000 more than A but does not play Kabaddi and Tennis and D does not like Woodland shoes.
- (iii) The one, who plays Badminton does not earn the highest amount but likes Reebok shoes.
- (iv) B plays Cricket but does not like Nike and Adidas shoes.
- (v) E does not play Badminton but likes Nike shoes and earns ₹ 15,000.
- (vi) C either likes Woodland or Adidas shoes but does not play Tennis.

(23) XBC-301...BEH-306(A)

46. Which shoes does D wear ?

- (a) Woodland
- (b) Adidas
- (c) Puma
- (d) Reebok

47. What shoes are being worn by the person who is earning ₹ 20,000 ?

- (a) Woodland
- (b) Adidas
- (c) Puma
- (d) Reebok

48. Who is the Tennis player and how much money he is earning ?

- (a) E ₹ 15,000
- (b) D ₹ 24,000
- (c) E ₹ 25,000
- (d) A ₹ 18,000

49. Which of the following combinations is correct ?

- (a) B—Woodland—Cricket—₹ 15,000
- (b) E—Nike—Kabaddi—₹ 18,000
- (c) C—Woodland—Kabaddi—₹ 24,000
- (d) A—Nike—Badminton—₹ 18,000

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50. Which of the following statement(s) is/are correct ?

(i) The salary difference between the Reebok shoe owner and the Adidas shoe owner is same as of the difference between the Badminton and Tennis player.

(ii) C earns the highest salary.

(iii) The salary difference between C and D is minimum out of all the given combinations.

(a) Only (i)

(b) Only (iii)

(c) Both (i) and (iii)

(d) Either (i) or (iii)