

(24) XBC-301....ESE-301(A)

48. Which of the following could never be part of same team ?
- (a) A & D
 - (b) B & C
 - (c) D & F
 - (d) None of these
49. What could be the strength of team if C and E are always part of the team ?
- (a) 2
 - (b) 3 or 4
 - (c) 2 or 3
 - (d) None of these
50. Ejaz is the son of Kismat. Bharat is the brother of Dharmesh and Garima is Dharmesh's daughter. Kismat is married to Dharmesh. Fatima is the maternal aunt of Ejaz. What is the relation between Bharat and Ejaz ?
- (a) Uncle and Nephew
 - (b) Brothers
 - (c) Father and Son
 - (d) Father-in-law and Son-in-law

XBC-301....ESE-301(A)

4,000

H

Roll No.

XBC-301/XBI-301/

XBS-301/PBH-305/

MBH-305/BCH-307/

BBA-306/BOV-305/

ESE-301(A)

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

B. SC. (PHY.) / B. SC. (MATHS) /

B. COM./B. B. A./B. VOC./ B. A. (ENG.)

(THIRD SEMESTER) MID SEMESTER

EXAMINATION, Oct., 2023

CAREER SKILLS

Time : 1½ Hours

Maximum Marks : 50

Instructions for candidates :

- (i) This paper consists of 50 questions, 1 mark each.
- (ii) No internal choice is provided.
- (iii) Use of calculator is not allowed.

P. T. O.

(2) XBC-301....ESE-301(A)

- (iv) No negative marking.
- (v) Mention the correct SET NUMBER on the OMR sheet.

Set-A

1. A said to B, "The woman who is teaching the class is the younger of the two sisters of the son of my mother's husband." How is the teacher related to A ?
 - (a) Mother
 - (b) Daughter
 - (c) Sister
 - (d) Cousin
2. Study the following information carefully to answer the given questions :
 - If 'A + B' means 'A is the father of B'
 - If 'A × B' means 'A is the sister of B'
 - If 'A % B' means 'A is the wife of B'
 - If 'A ÷ B' means 'A is the son of B'
 - If 'A \$ B' means 'A is the mother of B'Which of the given expressions indicates that P is the daughter-in-law of U ?
 - (a) $B \$ U \div Q + S \times P$
 - (b) $B + U \$ Q \div S \times P$
 - (c) $B \$ U + S \times Q + P$
 - (d) None of these

(3) XBC-301....ESE-301(A)

Directions (Question nos. 3-4) : M, N, O, P, Q and R are six family members. Q is son of P, who is not the mother of Q. N is brother of P. R and P are a married couple. O is daughter of R, who is sister of M.

3. How many female members are there in the family ?
 - (a) Two
 - (b) Three
 - (c) Four
 - (d) Can't be determined
4. How is Q related to O ?
 - (a) Mother
 - (b) Sister
 - (c) Brother
 - (d) None of these
5. Pointing to Kamal, Sheeba said, "His mother's brother is the father of my son Akilesh". How is Kamal related to Sheeba ?
 - (a) Niece
 - (b) Nephew
 - (c) Sister-in-law
 - (d) None of these

P. T. O.

(4) XBC-301....ESE-301(A)

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

Eight persons – A, B, C, D, E, F, G, and H are sitting in two rows having five seats in each row. In each row, one seat is vacant. Some of them are facing north and some are facing south.

Two persons are sitting between D and B. C sits opposite to D. G sits opposite to E. H sits opposite to the person who is sitting second to the left of F. F is not adjacent to E. Vacant seats are not opposite to each other. A, C and G face the same direction (i.e., All face either North or South). D, B, and E face the same direction (i.e., All face either North or South). C sits second to the right of E. H faces north. C doesn't sit at the extreme end. E sits second to the right of C. E sits to the adjacent left of H.

6. How many persons are sitting between A and H ?
- (a) One
 - (b) Two
 - (c) Three
 - (d) None of these

(5) XBC-301....ESE-301(A)

7. Who among the following pair is sitting opposite to vacant seats ?
- (a) A and D
 - (b) B and A
 - (c) D and A
 - (d) A and F
8. Who among the following is facing South ?
- (a) A
 - (b) B
 - (c) G
 - (d) None of these
9. Which of the following pair is sitting in the same row ?
- (a) A and D
 - (b) C and F
 - (c) E and B
 - (d) None of these
10. Which of the following statement is false based on above arrangement ?
- (a) A faces North
 - (b) B sits at one of the extreme ends
 - (c) Vacant seat is adjacent to E
 - (d) Both the vacant seats are at extreme ends

P. T. O.

(6) XBC-301....ESE-301(A)

Directions (Question nos. 11-12) : Read the following information carefully and answer the questions given below it :

One of Sujith, his wife, their son and Sujith's mother, is a doctor and another is a lawyer.

- (i) If the doctor is younger than the lawyer, then the doctor and the lawyer are not blood relatives.
- (ii) If the doctor is a woman, then the doctor and the lawyer are blood relatives.
- (iii) If the lawyer is a man, then the doctor is a man.

11. Who is the doctor ?

- (a) Sujith
- (b) Sujith's wife
- (c) Sujith's son
- (d) Cannot be determined

12. Who is the lawyer ?

- (a) Sujith's wife
- (b) Sujith's son
- (c) Either Sujith's son or Sujith's wife
- (d) Cannot be determined

(7) XBC-301....ESE-301(A)

Directions (Question nos. 13-17) : Read the given information carefully and answer the questions given beside :

Nine persons – Chhaya, Dimple, Beena, Ajit, Jaya, Fatima, Gagan, Hemant and Kaushal – are sitting in a straight line facing north, but not necessarily in the same order.

Beena is fourth to the left of Gagan; Fatima is fourth to the right of Chhaya and second to the left of Kaushal, who is fifth to the right of Ajit. Dimple is not an immediate neighbour of either Kaushal or Beena. There are only three persons between Jaya and Ajit. Gagan is second to the right of Chhaya.

13. In which of the following combinations is the third person sitting between the first and the second person ?

- (a) Jaya, Kaushal, Beena
- (b) Chhaya, Hemant, Beena
- (c) Ajit, Gagan, Chaya
- (d) None of these

14. Who among the following sits third to the right of Hemant ?

- (a) Gagan

P. T. O.

- (b) Dimple
- (c) Jaya
- (d) None of these

15. Who among the following sits third to the left of Jaya ?

- (a) Kaushal
- (b) Gagan
- (c) Dimple
- (d) None of these

16. Who among the following sit at the extreme ends of the line ?

- (a) Ajit, Dimple
- (b) Hemant, Jaya
- (c) Kaushal, Beena
- (d) None of these

17. If Kaushal and Hemant exchange their places, then who among the following sits on the immediate right of Kaushal ?

- (a) Chhaya
- (b) Jaya
- (c) Ajit
- (d) None of these

Directions (Question nos. 18 to 22) : Study the following information carefully to answer the given questions :

Eight friends – Romil, Ramesh, Rakesh, Rohit, Rahul, Abhijeet, Abhishek and Anil – are sitting around a circular table, but not necessarily in the same order. Four of them are facing inside and the other four are facing outside. All eight friends belong to eight different cities-Bhopal, Patna, Kolkata, Delhi, Gwalior, Bengaluru, Chennai and Rajkot – but not necessarily in the same order.

Abhijeet faces the centre and sits third to the right of Rakesh, Rohit belongs to Kolkata and faces the person who belongs to Bengaluru. Abhishek sits third to the right of Ramesh, who stays in Bhopal. The person who belongs to Delhi is facing the same direction as the person who belongs to Gwalior. Rahul is sitting between the person who belongs to Kolkata and the one from Rajkot respectively. Romil belongs to Gwalior and Rakesh belongs to Patna. The person who belongs to Chennai is facing outwards and immediate neighbour of the person who belongs to Rajkot.

(10) XBC-301....ESE-301(A)

Anil is the immediate neighbour of the persons who belongs to Gwalior and Chennai. Rahul is on the immediate left of Rohit.

18. Which of the following friends belongs to Bengaluru ?

- (a) Romil
- (b) Rohit
- (c) Anil
- (d) None of these

19. Who are immediate neighbours of Romil ?

- (a) Ramesh and Rakesh
- (b) Rahul and Rohit
- (c) Rohit-Delhi
- (d) None of these

20. Which of the following pairs is true ?

- (a) Romil-Bhopal
- (b) Anil-Bengaluru
- (c) Rohit-Delhi
- (d) None of these

(11) XBC-301....ESE-301(A)

21. What is the position of Ramesh with respect to Rahul ?

- (a) Fifth to the right
- (b) Second to the right
- (c) Third to the left
- (d) None of these

22. If Rohit and Anil interchange their positions and similarly Abhijeet and Rakesh interchange their positions then what is the position of Romil with respect to Rakesh ?

- (a) Third to the left
- (b) Third to the right
- (c) Immediate left
- (d) None of these

Directions (Question nos. 23-27) : Study the following information carefully and answer the given questions :

Six friends Ilhaam, Iliyas, Imraan, Ikshit, Iswar and Irfan work in different companies, namely Totus, Epson, Haier, Philips, Unisys and Siragon. Each one reads a different newspaper, i.e., The Nikkei, The Sun, Metro Express, Global Times,

P. T. O.

(12) XBC-301....ESE-301(A)

Information Times and The Daily Mail, but not necessarily in the same order.

The one who is reading The Daily Mail works in Philips and the one who is reading The Sun works in Totus. Iswar does not work in Haier or Unisys. Ilhaam, who works in Epson, reads Metro Express. Irfan does not work in Unisys and the one who works in Haier does not read Global Times. Iliyas Works in Siragon. Neither Irfan nor Ikshit works in Philips. The one who works in Unisys reads neither Global Times nor Information Times. Imraan works in Totus.

23. The man who works in Haier reads which of the following newspaper ?

- (a) Cannot be determined
- (b) The Daily Mail
- (c) Global Times
- (d) None of these

24. Which of the following 'newspaper-company-person' combination is correct ?

- (a) Irfan-Haier-Information Times
- (b) Ikshit-Totus-The Nikkei
- (c) Iswar-Philips-The Sun
- (d) None of these

(13) XBC-301....ESE-301(A)

25. Which of the following is true ?

- (a) Iswar works in Unisys
- (b) Ikshit works in Totus
- (c) Ilhaam reads The Sun
- (d) None of these

26. Which of the following sequences of companies represents Irfan, Iliyas, Imraan, Ilhaam, Ikshit and Iswar in the same order ?

- (a) Haier, Philips, Epson, Totus, Unisys, Siragon
- (b) Siragon, Haier, Totus, Epson, Philips, Unisys
- (c) Haier, Siragon, Epson, Philips, Totus, Unisys
- (d) None of these

27. Who reads The Nikkel ?

- (a) Iswar
- (b) Iliyas
- (c) Can't be determined
- (d) Ikshit

(14) XBC-301....ESE-301(A)

Directions (Question nos. 28-31) : Study the information given below carefully and based on it answer the following questions :

In a family of 6 people, all the people are of different professions. There are two married couples in the family.

- (i) The six people in the family are A, B, C, D, E and F.
- (ii) Their professions are Lawyer, Teacher, Salesman, Doctor, Engineer and Accountant but not in the same order.
- (iii) The Salesman, D is married to the one who is Teacher by profession.
- (iv) Doctor and Lawyer are a married couple.
- (v) Teacher is female and A's daughter-in-law is Lawyer.
- (vi) F is the son of B and brother of E and is Accountant by profession.
- (vii) E is an Engineer and is unmarried.
- (viii) C is the daughter-in-law of A.
- (ix) A is the grandmother of F.

(15) XBC-301....ESE-301(A)

28. What is the profession of the person married to C ?

- (a) Doctor
- (b) Salesman
- (c) Teacher
- (d) Accountant

29. How is E related to A ?

- (a) E is the granddaughter of A determined
- (b) E is the son of A
- (c) E and A are siblings
- (d) Cannot be determined

30. Which of the given statements is correct ?

- (a) C is the mother of F
- (b) D is male
- (c) A is the grandmother of F
- (d) All the statements are correct

31. What is the profession of A ?

- (a) Teacher
- (b) Doctor
- (c) Salesman
- (d) Engineer

P. T. O.

(16) XBC-301....ESE-301(A)

Directions (Question nos. 32-35) : Refer to the details given below and answer the questions following it :

A family comprising 6 people lives in the same flat. There are two couples in the family.

- (i) The Engineer is the head of the family and has only two sons - Harish and Honey and both Lawyers.
- (ii) Mrs. Renu and her mother-in-law both are Engineers.
- (iii) Harish's wife is a Scientist and they have a son, Lalit.

32. What is the professions of Harish's wife ?

- (a) Engineer
- (b) Scientist
- (c) Cannot be determined
- (d) None of the above

33. How is Lalit related to Renu ?

- (a) Grandson
- (b) Nephew
- (c) Brother
- (d) Brother-in-law

(17) XBC-301....ESE-301(A)

34. What is the profession of Honey's wife ?

- (a) Lawyer
- (b) Engineer
- (c) Scientist
- (d) None of the above

35. Which of the given statement is incorrect with respect to the blood relation given here ?

- (a) The head of the family is female
- (b) Renu is Honey's wife
- (c) Harish is the husband of an Engineer
- (d) Honey is married to Engineer

Directions (Question nos. 36-37) : The Vice Chancellor of a University wants to select a team of five member organizing committee for the next convocation of the University to be held in March 2024. The committee members are to be selected from five shortlisted professor (Prof. Ahuja, -Prof. Banerjee, Prof. Chakravarty, Prof. Das and Prof. Equbal) and four short listed students (Prakash, Queen, Ravi and Sushil). Some conditions for

P. T. O.

(18) XBC-301....ESE-301(A)

selection of the committee members are given below :

- (i) Prof. Ahuja and Sushil have to be together.
- (ii) Prakash cannot be put with Ravi.
- (iii) Prof. Das and Queen cannot go together.
- (iv) Prof. Chakravarty and Prof. Equbal have to be selected.
- (v) Ravi cannot be selected with Prof. Banerjee.

36. In case Prof. Ahuja and Prof. Chakravarty are members, who are the other members who cannot be selected for the committee ?

- (a) Prof. Banerjee, Prof. Equbal and Sushil
- (b) Prof. Equbal, Sushil and Prakash
- (c) Prof. Equbal, Prakash and Queen
- (d) None of these

37. If two members of the committee are students and Prof. Das is one of the members of the committee, who are the other committee members ?

- (a) Prof. Banerjee, Prof. Chakravarty, Prakash and Queen
- (b) Prof. Ahuja, Prof. Banerjee, Sushil and Prakash
- (c) Prof. Chakravarty, Prof. Equbal, Prakash and Sushil
- (d) None of these

(19) XBC-301....ESE-301(A)

Directions (Question nos. 38-40) : A group of three or four has to be selected from seven persons.

Among the seven are two women : Fiza and Kavita, and five men : Ram, Shyam, David, Peter and Rahim. Ram would not like to be in the group if Shyam is also selected. Shyam and Rahim want to be selected together in the group. Kavita would like to be in group only if David is also there. David if selected, would not like Peter in the group. Ram would like to be in the group only if Peter is also there. David insists that Fiza be selected in case he is there in the group.

38. Which of the following is a feasible group of four ?

- (a) Ram, Peter, Fiza, Rahim
- (b) Shayam, Rahim, Kavita, David
- (c) Shayam, Rahim, Fiza, David
- (d) Fiza, David, Ram, Peter

39. Which of the following is a feasible group of three ?

- (a) David, Ram, Rahim
- (b) Peter, Shayam, Rahim
- (c) Kavita, David, Shayam
- (d) Fiza, David, Ram

(20) XBC-301....ESE-301(A)

40. Which of the following statements is true ?

- (a) Kavita and Ram can be part of a group of four.
- (b) A group of four can have two women.
- (c) A group of four can have all four men.
- (d) None of these

Directions (Question nos. 41-42) : Four brothers Raja, Ram, Mohan and Roy are standing in a row with each of them facing east. Each brother has a distinct age. Raja who is the oldest is standing to the immediate right of Mohan. Mohan is not the youngest. Roy is at one of the ends and is older than Ram. Mohan and Roy are not standing adjacent to each other. The youngest brother is at one of the ends.

41. Who among the four is at the rightmost end ?

- (a) Raja
- (b) Ram
- (c) Mohan
- (d) Roy

(21) XBC-301....ESE-301(A)

42. How many brothers are older than the one who is at the rightmost end ?

- (a) 0
- (b) 1
- (c) 2
- (d) Either 1 or 2

Directions (Question nos. 43-44) : Study the following information carefully and answer the questions given below :

Eight persons - Sarin, Rahi, Akasa, Pavi, Preet, Gunjan, Taran and Namya belong to a family which consists of three generations and two married couples. Preet is the sister of only son of Akasa. Pavi is the daughter in law of Sarin. Rahi is the mother of Akasa. Sarin is the grandfather of Taran who is the daughter of Pavi. Namya is the maternal uncle of Gunjan.

43. How many male members are there in the family ?

- (a) Three
- (b) Four
- (c) Five
- (d) Six

(22) XBC-301....ESE-301(A)

44. What is the relation of Gunjan with Namya ?

- (a) Niece
- (b) Nephew
- (c) None of these
- (d) Cannot be determined

Directions (Question nos. 45-46) : Three men and three women are travelling in two cars (red and blue) . Each car has exactly three persons. The cars cannot have all women or all men passengers. Mala, Ajit and Suman know how to drive a car. Mala and Sapna are women. Manjit and Sarat are not in the same car. Ajit and Sarat are men.

45. If Suman and Manjit are the two passengers in the red car, who can be passengers of the blue car ?

- (a) Sapna and Sarat
- (b) Sapna and Ajit
- (c) Mala and Sarat
- (d) All of these

(23) XBC-301....ESE-301(A)

46. If the red car can have either Manjit or Sarat but not both while Ajit drives it and Mala is driving the blue car, which of the following can be true ?

- (a) Suman is a men
- (b) Manjit is a women
- (c) Both (a) and (b) are correct
- (d) (a) is correct but (b) is not

Directions (Question nos. 47-49) : At Pioneer Career Kolkata six students A, B, C, D, E and F aspire to be a member of organizing team of New Year Party The team should have at least two people with following conditions.

- (i) If the size of the team is less than 4 then D and F cannot be selected together.
- (ii) If B is selected then D should also be selected while E should be rejected.
- (iii) If A is selected then exactly one from B and C should also be selected.
- (iv) If C is selected then E should also be selected while F should be rejected.

47. If team size is 3 then which one of the following cannot be a part of the team ?

- (a) B
- (b) A
- (c) F
- (d) None of these

P. T. O.