

97. (a) about
(b) on behalf of
(c) in lieu of
(d) owing to
98. (a) in spite of
(b) according to
(c) in course of
(d) with regard to
99. (a) by way of
(b) by reason of
(c) by virtue of
(d) of
100. (a) on behalf of
(b) on account of
(c) along with
(d) instead of

H

Roll No.

XCS-300/301(A)

B. TECH. (THIRD SEMESTER)

END SEMESTER

EXAMINATION, Dec., 2023

CAREER SKILLS

Time : Three Hours

Maximum Marks : 100

Instructions for students :

1. This question paper consists of 100 questions (50 Verbal Ability and 50 Logical Reasoning).
2. Each question is of 1 mark.
3. Use of calculator is prohibited.
4. No negative marking.
5. It is mandatory to write the correct SET in your OMR sheet.

P. T. O.

Set-A

Directions (1-2) : Read the following information carefully and answer the questions given below it :

One of Keshav, his wife, their son and Keshav'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.
1. Who is the doctor ?
 - (a) Keshav
 - (b) Keshav's wife
 - (c) Keshav's son
 - (d) Keshav's mother
 2. Who is the lawyer ?
 - (a) Keshav
 - (b) Keshav's wife
 - (c) Keshav's son
 - (d) Either Keshav's son or Keshav's wife

Directions (3-4) : Each of the four students—

Akhil, Boman, Chaman and Dinu — was wearing a shirt of distinct colour while taking a test. They were ranked 1 to 4 based on their performance in the test. Akhil was wearing a red shirt. Chaman stood 3rd in the test. The student wearing yellow shirt stood 2nd. Dinu was not wearing a yellow shirt and he was not ranked 4th in the test.

3. If one of the four was wearing a green shirt, then who could he be ?
 - (a) Dinu
 - (b) Chaman
 - (c) Boman
 - (d) Either Dinu or Chaman
4. Who stood 4th in the test ?
 - (a) Akhil
 - (b) Dinu
 - (c) Boman
 - (d) Cannot be determined

Directions (5-6) : Aditya, Himanshu and Saral decide to buy one of the three types of latest HD colour television among— LCD, LED and Plasma — to watch the world cup. Each of them wants to buy a different type of television from the other two. Each of the three types of television is manufactured by exactly one of the three companies — Samsung, Sony and LG — not necessarily in the same order. Aditya decides to buy neither LED nor LG. Saral decides to buy neither LCD nor Sony. Sony manufactures the LED.

5. Who decides to buy the LED ?
 - (a) Saral
 - (b) Abhishek
 - (c) Himanshu
 - (d) Cannot be determined
6. Which of the following combinations is correct ?
 - (a) LG—LED
 - (b) Samsung —Plasma
 - (c) Himanshu—Sony
 - (d) Plasma—Aditya

Directions (7-8) : Answer the questions on the basis of the information given below :

In a class of five students — Ajay, Bijay, Chandragupta, Dheeraj and Ehsaan— two lists are prepared based on the heights and the ages of the students. The students are assigned ranks in the lists. In the list according to ages, the youngest student is awarded rank 1 and the oldest student is awarded rank 5. In the list according to the heights, the tallest student is awarded rank 5 and the shortest student is awarded rank 1. It is also known that :

There is only one student who has the same rank in both the lists.

Ajay is the youngest among the five and is taller than at least two other people.

The tallest person is Dheeraj and he is younger to only one person Chandragupta. Bijay is the shortest person and is older Ehsaan.

7. Who among the five students is the fourth tallest ?
 - (a) Ajay
 - (b) Chandragupta
 - (c) Ehsaan
 - (d) Cannot be determined

8. Which student has the same rank in both the lists ?

- (a) Ajay
- (b) Bijay
- (c) Chandragupta
- (d) Ehsaan

Directions (9-10) : A Cinema Multiplex has to screen 4 different types of movies 2 Horror, 2 Action, 2 Comedy and 2 Romance movies on 4 Sundays of a particular month such that there is at least 1 movie screened on each Sunday. Further conditions are as follows :

- (1) Due to the audience, none of the Horror movies can be screened on the same day as a comedy.
- (2) If 2 action movies are screened on a Sunday, then a Romance also needs to be screened on the same day.
- (3) No more than 3 movies can be screened on a particular day.
- (4) Both the Comedies cannot be screened on the same day.

(5) If both the Horror movies are to be screened together, it has to be the last Sunday of the month.

9. If Comedy movies are screened one each on the 3rd and 4th Sunday, then which of the following can be true ?

- (a) A Romance movie is screened on the 1st Sunday.
- (b) Both the action movies are screened on the same Sunday.
- (c) A Horror movie is screened with a Comedy on the 4th Sunday.
- (d) A Horror movie is screened on the 3rd Sunday.

10. Which one of the following is an acceptable sequence of Movies shown ?

- (a) (Horror, Horror), (Comedy, Romance), (Comedy, Action), (Action, Romance)
- (b) (Comedy), (Action, Action, Romance), (Comedy, Romance) (Horror, Horror)

- (c) (Comedy, Romance), (Horror, Comedy) ,
(Action, Romance), (Action, Horror)
(d) (Comedy, Romance), (Horror, Romance),
(Action, Action, Comedy), (Horror)

Directions (11-13) : Refer to the following information and answer the questions that follow :

6 persons are there namely : A1, A2, A3, A4, A5, A6

A6 is the sister of A3.

A2 is the brother of A5's husband.

A4 is the father of A1 and grandfather of A6

A5 is the daughter-in-law of A4

There will be 2 fathers, 1 mother and 3 brothers in family.

11. Who is the husband of A5 ?

- (a) A2
(b) A3
(c) A1
(d) A4

12. Who happens to be the mother ?

- (a) A1
(b) A2
(c) A3
(d) A5

13. How many male members are there ?

- (a) 1
(b) 2
(c) 5
(d) 4

14. Three friends Sunil, Rohit and Sandeep go out for shopping and buy a gift each for their wives—Dhwani, Himani and Vidhi on valentine's day, not necessarily in the same order.

Dhwani is not Mr sharma's wife. Rohit's full name is Rohit Schwag. Mr. Sachdeva bought a purse for his wife. Himani got a saree as a present. Mr. Sharma did not buy a saree for his wife. Dhwani did not get cosmetics. Sandeep is not Mr. Sachdeva. One of the lady's name is

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Vidhi. Which of the following statements is true ?

- (a) Sunil Sachdeva-Dhwani-purse, Rohit Sehwag-saree-Himani
- (b) Sunil Sharma-cosmetic-Dhwani, Sandeep Sharma-purse-Vidhi
- (c) Rohit Sehwag-saree-Himani, Sandeep Sharma-purse-Dhwani
- (d) Sunil Sachdeva-saree-Dhwani, Sandeep Sharma-cosmetic-Vidhi

15. Pointing to a photograph, a person tells his friend, "She is the grand daughter of the elder brother of my father." How is the girl in the photograph related to this person ?

- (a) Niece
- (b) Sister
- (c) Aunt
- (d) Sister-in-law

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Directions (16-18) : Study the following information carefully and answer the questions given beside :

Garv is the son of Sashi. Heer is the father of Manu. Garv is married to Devi. Garv and Manu are siblings. Prem is the brother of Devi. Sashi has only one son. Riya is the son of Garv. Prem is the father of Kaka. Joshi is the daughter of Manu. Prem has no daughters.

16. How many female(s) members are there in the family ?

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

17. How is Heer related to Prem ?

- (a) Father
- (b) Mother-in-law
- (c) Mother
- (d) None of these

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18. How is Joshi related to Kaka ?

- (a) Brother
- (b) Paternal uncle
- (c) Maternal aunt
- (d) Cousin sister

Directions (19-22) : Read the following information carefully and answer the questions given below :

Eight persons E, F, G, H, I, J, K and L are seated around a square table all facing inwards—two on each side.

There are three lady members and they are not seated next to each other.

J is between L and F.

G is between I and F.

H, a lady member, is second to the left of J.

L, a male member, is seated directly opposite of E, a lady member.

There is a lady member between F and I.

19. Who among the following is seated between E and H ?

- (a) F
- (b) I
- (c) J
- (d) None of these

20. How many persons are seated between K and F ?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

21. Who among the following are the three lady members ?

- (a) E, G and J
- (b) E, H and G
- (c) G, H and J
- (d) G, E and K

22. Who among the following is to the immediate left of F ?

- (a) G
- (b) I
- (c) J
- (d) K

23. A @ B means A is the son of B.

A % B means A is the father of B.

A * B means A is the wife of B.

A ! B means A is the mother of B.

In the expression P @ Q % R ! S, which of the following is correct ?

- (a) S is the son-in-law of Q.
- (b) P is the brother-in-law of S.
- (c) R is the sister-in-law of P.
- (d) R is the daughter of Q.

Directions (24-27) : Amongst Ravi, Krishnan and Shankar are a doctor, a lawyer and a police officer. They are married to Rita, Geet and Sophia (not necessarily in same order). Each of the wives has a profession to help augment the husband's earnings.

The following additional information is also given :

Krishnan's wife is an artist.

The lawyer's wife is a teacher.

Ravi is cheating on his wife by having a good time with Geet.

Rita is married to the police officer.

Sophia is an expert cook.

24. Who is the police officer ?

- (a) Ravi
- (b) Shankar
- (c) Krishnan
- (d) Geet

25. Who is the lawyer ?

- (a) Ravi
- (b) Shankar
- (c) Krishnan
- (d) Data insufficient

26. Who is the doctor ?

- (a) Ravi
- (b) Shankar
- (c) Krishnan
- (d) Data insufficient

27. Who is Ravi's wife ?

- (a) Sophia
- (b) Geet
- (c) Rita
- (d) Data insufficient

28. Peter, Qamar, Roger, Steve and Tikolo are five friends sitting in a row facing east. Peter has an equal number of friends on his either side. There is only one person sitting between Qamar and Peter. Roger and Steve have a common neighbor. Who is sitting to the immediate left of Tikolo ?

- (a) Roger
- (b) Steve
- (c) Peter
- (d) Cannot be determined

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29. If BLACK is coded as DNC EM, then ORANGE is coded as :

- (a) QTCPIG
- (b) PSCOHF
- (c) PSBOHF
- (d) QTCOIG

30. If L stands for +, M stands for, N stands for \times and P stands for, then $8\ N\ 9\ L\ 60\ P\ 3\ M\ 13 = ?$

- (a) 79
- (b) 103
- (c) 89
- (d) 95

31. Find the missing term in the series :

3, 6, 15, 123, 366.

- (a) 30
- (b) 42
- (c) 24
- (d) 81

32. If wall is called window, window is called door, door is called floor, floor is called roof and roof is called ventilator, what will a person stand on ?

- (a) Window

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- (b) Wall
- (c) Floor
- (d) Roof

33. One morning after sunrise, Krishnaansh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing ?

- (a) East
- (b) West
- (c) South
- (d) Data is inadequate

34. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person ?

- (a) Aunt
- (b) Mother
- (c) Wife
- (d) Daughter

35. If north is called north-east, north-east is called east, east is called south-east and so on. What will south-east be called ?

- (a) West
- (b) North
- (c) South
- (d) East

36. Find the next number of the series 20, 22, 26, 32, ?

- (a) 34
- (b) 40
- (c) 36
- (d) 38

37. If in a certain code MANAGEMENT is written as NTNAGEMAME. How DISTRIBUTE is written in that code ?

- (a) RIBUDITEST
- (b) TESTRIBUDI
- (c) TESTRIDIBU
- (d) TESTDIRIBU

38. In a certain code SCHOOL is written as RDGPNM. How TEACHER is written in that code ?

- (a) SFZDGFQ
- (b) SFZFQDG
- (c) SFZQDGF
- (d) DQGFSFZ

39. Complete the series : 20, 19, 17, ?, 10, 5

- (a) 12
- (b) 13
- (c) 14
- (d) 15

40. Complete the series : 2, 3, 5, 7, 11, x, 17

- (a) 12
- (b) 13
- (c) 14
- (d) 15

41. Anshu starts her journey by walking in South direction. After travelling a distance of 60 m, she turned to her right and travelled 45 m. Then she goes 30 m towards North and further

travels by turning 45° in clockwise direction.
In what direction is she travelling now ?

- (a) South-west
- (b) North-east
- (c) North-west
- (d) South-east

42. If Pour is written as 4156

Sware is written as 78269

Clear is written as 3@926

Then what is the code for PEARL = ?

- (a) 429@6
- (b) 4962@
- (c) 4692@
- (d) 4926@

43. Abhinav started his journey towards north to each his office. After reaching the office he turned 180° in clockwise direction and then 45° in anticlockwise direction. Which direction is he facing now ?

- (a) North-west
- (b) South-east
- (c) West
- (d) South-west

Directions (44-46) : In a local pet store, seven puppies wait to be introduced to their new owners. The puppies, named Ashlen, Blakely, Custard, Daffy, Earl, Fala and Gabino, are all kept in two available pens. Pen 1 holds three puppies, and pen 2 holds four puppies.

If Gabino is kept in pen 1, then Daffy is not kept in pen 2.

If Daffy is not kept in pen 2, then Gabino is kept in pen 1.

If Ashlen is kept in pen 2, then Blakely is not kept in pen 2.

If Blakely is kept in pen 1, then Ashlen is not kept in pen 1.

44. If Earl and Fala are in different pens, then which of the following is definitely NOT true ?

- (a) Fala shares a pen with Custard.
- (b) Gabino shares a pen with Ashlen.
- (c) Earl is in higher-numbered pen than Blakely.
- (d) Custard is in higher-numbered pen than Fala.

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45. If Earl shares a pen with Fala, then which of the following MUST be true ?
- (a) Gabino is in pen 1 with Daffy.
 - (b) Custard is in pen 2.
 - (c) Blakely is in pen 2 and Fala is in pen 1.
 - (d) Earl is in pen 1.
46. Which of the following groups of puppies could be in pen 2 ?
- (a) Gabino, Daffy, Custard, Earl
 - (b) Blakely, Gabino, Earl, Custard
 - (c) Ashlen, Gabino, Earl, Custard
 - (d) Blakely, Custard, Earl, Fala
47. If $Z = 2197$ and $R = 729$, how would J be written in that code ?
- (a) 216
 - (b) 124
 - (c) 512
 - (d) 125

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48. In a certain code language :
- (i) 'pit na som' means 'bring me water'
 - (ii) 'na jo tod' means 'water is life'
 - (iii) 'tub od pit' means 'give me toy'
 - (iv) 'jo in kot' means 'life and death'
- Which of the following represents 'is' in that language ?
- (a) jo
 - (b) na
 - (c) tod
 - (d) lin
49. What is the next no. in the series : 19, 2, 38, 3, 114, 4, ?
- (a) 228
 - (b) 256
 - (c) 352
 - (d) 456
50. What is the next no. in the series : 1, 9, 17, 33, 49, 73, ?
- (a) 97
 - (b) 98
 - (c) 99
 - (d) 100

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Directions (51-60) : Choose the best option with the correct preposition out of the given four sentences in each of these questions :

51. (a) I took the medicine in accordance with his advice.
(b) I took the medicine through his advice.
(c) I took the medicine from his advice.
(d) I took the medicine for his advice.
52. (a) His distrust for his assistant is perhaps unfounded.
(b) His distrust of his assistant is perhaps unfounded.
(c) His distrust with his assistant is perhaps unfounded.
(d) His distrust by his assistant is perhaps unfounded.
53. (a) Pursuant with our conversations, I now send you the cheque as my contribution to the fund.
(b) Pursuant along our conversations, I now send you the cheque as my contribution to the fund.

- (c) Pursuant for our conversations, I now send you the cheque as my contribution to the fund.
(d) Pursuant to our conversations, I now send you the cheque as my contribution to the fund.
54. (a) Although he is a very simple man still he has a great influence among his disciples.
(b) Although he is a very simple man still he has a great influence before his disciples.
(c) Although he is a very simple man still he has a great influence over his disciples.
(d) Although he is a very simple man still he has a great influence till his disciples.
55. (a) An intelligent person always seizes upon the opportunity provided to him.
(b) An intelligent person always seizes at the opportunity provided to him.
(c) An intelligent person always seizes for the opportunity provided to him.
(d) An intelligent person always seizes in spite of the opportunity provided to him.

56. (a) I am bent towards attending the meeting.
(b) I am bent on attending the meeting.
(c) I am bent along with attending the meeting.
(d) I am bent according to attending the meeting.
57. (a) He has a knack of doing it.
(b) He has a knack in doing it.
(c) He has a knack about doing it.
(d) He has a knack without doing it.
58. (a) I differ in my opinion with you on this.
(b) I differ of my opinion from you on this.
(c) I differ in my opinion against you on this.
(d) I differ into my opinion with you on this.
59. (a) They now jeer among him who once they had acclaimed as their hero.
(b) They now jeer of him who once they had acclaimed as their hero.
(c) They now jeer at him who once they had acclaimed as their hero.
(d) They now jeer agreeably to him who once they had acclaimed as their hero.

60. (a) She could see through his malicious designs.
(b) She could see in regard to his malicious designs.
(c) She could see in reference to his malicious designs.
(d) She could see along with his malicious designs.

Directions (61-70) : Identify the sentence with the appropriate article out of the four sentences given in each question and mark that option as your answer :

61. (a) Family is the unit of society.
(b) Family is an unit of society.
(c) Family is a unit of society.
(d) The family is unit of society.
62. (a) Sunrises in the east.
(b) The sunrises in the east.
(c) Sunrises in east.
(d) The sunrises in east.
63. (a) The more you concentrate the better you become.
(b) The more you concentrate better you become.

- (c) A more you concentrate a better you become.
- (d) More you concentrate better you become.
64. (a) Sugar is bad for health.
- (b) A sugar is bad for health.
- (c) The sugar is bad for health.
- (d) An sugar is bad for health.
65. (a) The darkest cloud has a silver lining.
- (b) A darkest cloud has the silver lining.
- (c) Darkest cloud has silver lining.
- (d) A darkest cloud has a silver lining.
66. (a) He can play a flute.
- (b) He can play flute.
- (c) He can play an flute.
- (d) He can play the flute.
67. (a) Please meet me at the train station within an hour.
- (b) Please meet me at the train station within a hour.
- (c) Please meet me at the train station within the hour.
- (d) Please meet me at the train station within hour.

68. (a) He is an honour to this position.
- (b) He is a honour to this position.
- (c) He is the honour to this position.
- (d) He is honour to this position.
69. (a) I first met him an year ago.
- (b) I first met him a year ago.
- (c) I first met him the year ago.
- (d) I first met him year ago.
70. (a) Children like chocolates.
- (b) The children like the chocolates.
- (c) A children likes the chocolates.
- (d) The children like a chocolates.

Directions (71-80) : In the following questions, out of the four alternatives, choose the one which best expresses the similar meaning of the given word :

71. Scorn
- (a) Praise
- (b) Bias
- (c) Despise
- (d) Concise
72. Camouflage
- (a) Disguise
- (b) Cover
- (c) Demonstrate
- (d) Fabric

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73. Yearn

- (a) Despise
- (b) Crave
- (c) Confront
- (d) Deny

74. Pensive

- (a) Precise
- (b) Contemplative
- (c) Unhappy
- (d) Reluctant

75. Narcissism

- (a) Unpleasant behavior
- (b) Rude behavior
- (c) Self condemnation
- (d) Self admiration

76. Loathing

- (a) Affectation
- (b) Affection
- (c) Hatred
- (d) Warmth

77. Vivacious

- (a) Slow
- (b) Tricky
- (c) Energetic
- (d) Poisonous

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78. Bequeath

- (a) Disclose
- (b) Scold
- (c) Surround
- (d) Give

79. Nonchalant

- (a) Neutral
- (b) Casual
- (c) Imaginary
- (d) Formal

80. Errand

- (a) Mistake
- (b) Energy
- (c) Task
- (d) Blunder

Directions (81-85) : Each of the sentences given below has been divided into three parts (a), (b), (c). There is an error in any one part of the sentence. Identify the error and mark that part as your answer choosing from the options provided. Choose option (d) if there is no error.

81. The society does not (a)/hold itself responsible (b)/for the loss or damage to any item (c)/No error (d).

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82. She was (a)/angry on me because I (b)/had not invited her to party (c) / No error (d).
83. It is half (a)/past two (b)/un my watch (c)/No error (d).
84. Without thinking (a)/for a moment he (b)/entrusted me in all the responsibilities (c)/No error (d).
85. The militant yielded for (a)/ the temptation and fell (b)/into the trap of police (c)/No error (d).

Directions (86-100) : Complete the passages using suitable prepositions. Choose your answer from the options provided below for each place :

The rain had just stopped. I went86..... into the garden. Then I heard a soft mewling. I saw a little white kitten. It was so thin that its bones were showing. It was wet and shivering. I brought it87..... the house and dried it. My brother came88..... "Do you know who this kitten belongs 89..... ?" I asked him.

My brother said he had seen some kittens90..... the long grass91..... our house, The

mother cat was just a stray. He told me to give the kitten some fish.

There was no more fish, so I took some rice and gave it to the kitten. But it would not eat the rice.

"I wonder if it's old enough to eat rice. It may still be feeding92..... its mother's milk," said my brother.

I warmed93..... some milk and gave it to the kitten but it would not drink the milk, "I wonder if I should give it back to its mother," I said.

"Yes, you'd better do that," said my brother.

My brother and I carried the kitten94..... of the house. We heard loud mewling. I was the mother cat. I put95..... the kitten. It mewed loudly but stayed still. The mother cat ran quickly to the little kitten. It started licking the kitten all.....96..... The kitten kept mewling loudly.

"Do you think it's telling its mother97..... me ?" I asked my brother.98..... his reply I could not sleep that night.99..... my fundamental inclination towards pets I always shall cherish this memory100..... my brother.

86. (a) in
(b) into
(c) inside
(d) out

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87. (a) in
(b) into
(c) inside
(d) of
88. (a) for
(b) of
(c) in
(d) from
89. (a) by
(b) with
(c) to
(d) off
90. (a) in
(b) with
(c) above
(d) below
91. (a) away
(b) near
(c) against
(d) outside

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92. (a) above
(b) over
(c) on
(d) onto
93. (a) below
(b) down
(c) beneath
(d) up
94. (a) inside
(b) outside
(c) out
(d) for
95. (a) up
(b) down
(c) off
(d) across
96. (a) over
(b) along
(c) in order to
(d) for the sake of

P. T. O.