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- (b) Daughter
- (c) Sister
- (d) Niece

100. There is a knockout chess tournament (the player who will lose a game will be eliminated from the tournament) with participation of 48 players. Each game must result in a winner. How many games will be played to decide the winner of the tournament?

- (a) 24
- (b) 47
- (c) 33
- (d) 29

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Roll No.

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**M. C. A. (FIRST SEMESTER)
END SEMESTER**

EXAMINATION, Jan., 2023

**PROFESSIONAL COMMUNICATION AND
CAREER SKILL-I**

Time : Three Hours

Maximum Marks : 100

Note : (i) This question paper contains 100 questions.

(ii) All questions are compulsory.

(iii) Instructions for attempting each question are mentioned against it.

(iv) Each question contains equal marks.

Direction (Q. nos. 1-5) : Which is the closest in meaning to the word in bold letters.

Cities are hotter because the release of heat energy is **retarded** by the tall vertical city

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buildings that do not allow infrared radiation to escape into the sky.

- (a) slowed
 - (b) unintelligent
 - (c) heavily used
 - (d) small
2. Finding of **unequivocal** evidence of his involvement in the crime led to his arrest.
- (a) unclear
 - (b) prominent
 - (c) accidental
 - (d) clear
3. She was a **precocious** child who could read before she started school.
- (a) aging
 - (b) deteriorating
 - (c) docile
 - (d) premature

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4. Students told to treat joy and sorrow in life with **equanimity**, as they cannot reject either :

- (a) hardwork
- (b) disgust
- (c) working
- (d) calmness

5. People spent the 31 December's night **revelling**.

- (a) cheering
- (b) merry-making
- (c) mediating
- (d) None of the above

Direction (Q. nos. 6-10) : Fill the blanks with the most appropriate word.

6. She is the only one of the cheerleaders who a broken leg.

- (a) have
- (b) has
- (c) having
- (d) with

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7. The committee agreed on this issue.
- (a) has
 - (b) having
 - (c) have
 - (d) None of the above
8. The crew taken prisoners.
- (a) have
 - (b) has
 - (c) can
 - (d) will
9. Chance after chance lost.
- (a) were
 - (b) being
 - (c) was
 - (d) too
10. Your trousers dirty.
- (a) are
 - (b) can
 - (c) is
 - (d) will

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Direction (Q. nos. 11-20) : Fill in the blanks with the most appropriate word.

11. That building left unoccupied since 1950.
- (a) has been
 - (b) is
 - (c) was been
 - (d) never
12. It a great shock to everyone because he hadn't said a word for 10 years.
- (a) is
 - (b) will be
 - (c) was
 - (d) are
13. I'd had scarcely any time to think about it before they me for my opinion.
- (a) call
 - (b) invite
 - (c) begin
 - (d) asked

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14. No-one believe your story when you tell them.

- (a) will
- (b) was to
- (c) were to
- (d) are

15. There's no question that they delighted when they see her tomorrow.

- (a) was
- (b) were
- (c) will be
- (d) are

16. He realized he left it in the car before he reported it lost.

- (a) was
- (b) could be
- (c) had
- (d) was to be

17. All these houses neglected for decades.

- (a) always was
- (b) frequently
- (c) have been
- (d) has been

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18. What be doing this time tomorrow ?

- (a) have you
- (b) will you
- (c) will you have
- (d) you will

19. It is time with determination.

- (a) we acted
- (b) we acts
- (c) we will act
- (d) we shall act

20. The thief explained how he escaped from the jail.

- (a) can
- (b) will
- (c) was
- (d) had

Direction (Q. nos. 21-25) : Fill in the blanks with the most appropriate choice.

21. Unless you get enough rest, you fall ill.

- (a) can

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(b) would

(c) will

(d) should

22. If I had known about the consequences, I
..... it.

(a) an never have done

(b) would never have done

(c) could never have done

(d) will never do

23. I known, I would have helped.

(a) Had

(b) Should

(c) Can

(d) Will

24. your help, I would have been in
real trouble.

(a) Have

(b) Should

(c) But

(d) Can

25. You will catch cold if you out
without a coat.

(a) go

(b) went

(c) had gone

(d) None of these

Direction (Q nos. 26-30) : Answer as directed in
each question.

26. Select the word closest in meaning to the word
given in capitals : DECEIVE

(a) Cheat

(b) Honesty

(c) Devout

(d) Play

27. Select the word closest in meaning to the word
given in capitals : SACRED

(a) Religion

(b) Holy

(c) Despised

(d) Hated

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28. Select the word closest in meaning to the word given in capitals : MALICE

- (a) Will
- (b) Want
- (c) Refute
- (d) Ill will

29. Select the word closest in meaning to the word given in capitals : SLEUTH

- (a) Spy
- (b) Police
- (c) Guard
- (d) Risk

30. Select the word closest in meaning to the word g in capitals : OMINOUS

- (a) Present everywhere
- (b) Present rarely
- (c) Present in the past
- (d) Inauspicious

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Direction (Q. nos. 31-40) : In each question, choose the sentence that is grammatically the most appropriate.

31. Mia likes playing Ludo, carroms, and play chess.

- (a) Mia likes playing Ludo, carroms, and chess.
- (b) Mia likes playing Ludo, play carroms, and to play chess.
- (c) Mia likes to play Ludo, carroms, and playing chess.
- (d) None of the above

32. Furniture items like desks or a chair can be made out of wood

- (a) Furniture items like desks or chair can be made out of wood.
- (b) Furniture items like desks and chairs can be made out of wood.
- (c) Furniture items like a desk or chairs can be made out of wood.
- (d) None of the above

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33. Peter likes painting, sketching, and to draw cartoons.
- (a) Peter likes to paint, sketching, and drawing cartoons.
 - (b) Peter likes to paint, sketch, and drawing cartoons.
 - (c) Peter likes painting, sketching, and drawing cartoons.
 - (d) None of the above
34. Kajal perfectly and with confidence presented the paper.
- (a) Kajal presented the paper with perfection and confidence.
 - (b) Kajal presented the paper perfectly and confidently.
 - (c) Both (a) and (b)
 - (d) None of the above
35. Amal has _____.
- (a) A car, a bike, and a cycle.
 - (b) A car, a bike, and she has a cycle.
 - (c) A car and a bike, and she has a cycle.
 - (d) None of the above

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36. Public transport such as _____.
- (a) Buses and a train reduces air pollution.
 - (b) Buses or a train reduces air pollution.
 - (c) Buses and trains reduce air pollution.
 - (d) None of the above.
37. Karishma likes _____.
- (a) Cooking, cleaning and to knit.
 - (b) Cooking, cleaning and knitting.
 - (c) To cook, clean and knitting.
 - (d) None of the above
38. For lunch I would like _____.
- (a) Fried eggs and to bake potatoes.
 - (b) Baked potatoes and to fry eggs.
 - (c) To fry eggs and bake potatoes.
 - (d) None of the above
39. I like to _____.
- (a) Eat healthy food, sleep early and exercise regularly.
 - (b) Eat healthy food, sleep early and to exercise regularly.

(c) Eat healthy food, sleep early and I like to exercise regularly.

(d) None of the above

40. Riya has _____.

(a) A pen, a pencil, and a ruler.

(b) A pen, a pencil, and she has a ruler.

(c) A pen and a pencil, and she has a ruler.

(d) None of the above

Direction (Q. nos. 41-44) : A team of students is needed for the annual sports meet of ABC school. The team must be formed from 8 available students who are : Danish, Aniket, Joseph, Tarun, Manoj, Salma, Kavita and Nagendra. The selection must follow the additional conditions :

(1) The team must have a minimum of 4 members.

(2) If Danish is selected, then Kavita has to be definitely selected.

(3) Exactly one from Nagendra or Joseph has to be selected.

(4) Salma and Danish cannot be selected together.

(5) Manoj and Salma have to be selected together.

41. If Shalini is selected, what can be the maximum number of members in the team ?

(a) 5

(b) 6

(c) 4

(d) 7

42. Who cannot be a member of a team of 6 members ?

(a) Manoj

(b) Joseph

(c) Aniket

(d) Danish

43. Who among the following cannot be members of the same team ?

(a) Danish, Varun

(b) Manoj, Aniket

(c) Manoj, Danish

(d) Kavita, Varun

44. Which among the following is not an acceptable combination ?

- (a) Danish, Varun, Aniket, Joseph, Kavita
- (b) Varun, Aniket, Nagendra, Kavita, Salma
- (c) Joseph, Kavita, Salma, Manoj, Varun, Aniket
- (d) Salma, Manoj, Kavita, Joseph

Direction (Q. nos. 45 to 48) : In this question, two statements are given followed by two conclusions number I and II. Consider the two given statements to be true even if they seem to be at variance from commonly known facts and then answer the correct option.

45. Statements :

- (1) All Banks are Homes.
- (2) Some Homes are not Offices.

Conclusions :

- (I) No Banks are Offices
- (II) Some Offices are Banks
- (a) If only conclusion I follows

- (b) If only conclusion II follows
- (c) If both conclusions I and II follow
- (d) If neither conclusion I nor II follows

46. Statements :

- (1) Some White is Grey.
- (2) All Grey is Orange.

Conclusions :

- (I) All White is Orange.
- (II) Some White is Orange.
- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If both conclusions I and II follow
- (d) If neither conclusion I nor II follows

47. Statements :

- (1) Some Words are not Sentences.
- (2) Some Sentences are not Letters.

Conclusions :

- (I) Some Letters are Words.
- (II) Some Letters are not Words.
- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If both conclusions I and II follow
- (d) If neither conclusion I nor II follows

48. Statements :

- (1) Only Pens are Copies.
- (2) Pens are Erasers.

Conclusions :

- (I) Some pens are Erasers.
- (II) All Erasers are Pens is a possibility.
- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If both conclusions I and II follow
- (d) If neither conclusion I nor II follows

Direction (Q. nos. 49 to 51) : Three statements are given which are followed by three conclusions number I, II and III. Consider the given statements to be true even if they seem to be at variance from commonly known facts. Choose the correct option for these questions as answer.

49. Statements :

- (1) No Red is Green.
- (2) All Green is Brown.
- (3) Some Brown is not Black.

Conclusions :

- (I) All Black is Red.
- (II) No Red is Black.
- (III) Some Brown is Green.
- (a) I and II follow
- (b) Only III follows
- (c) I and III follow
- (d) None of these

50. Statements :

- (1) All Actors are Producers.
- (2) All Producers are Writers.
- (3) All writers are Directors.

Conclusions :

- (I) All Actors are Directors.
- (II) No Writer is Actor.
- (III) Some Directors is Actors.
- (a) Only I follows
- (b) Only II follows
- (c) I and III follow
- (d) None of these follows

51. Statements :

- (1) Some Apples are Oranges.
- (2) Some Oranges are Papayas.
- (3) Some Papayas are Bananas.

Conclusions :

- (I) All Apples are Papayas.
- (II) No Banana is Apple.
- (III) Some Apples are Bananas.

- (a) Only I follows
- (b) Only II follows
- (c) Either II or III follow
- (d) Both I and III follow

Direction (Q. nos. 52 to 55) : A cube of side 3 cm is painted black from outside. It is now cut into smaller cubes of side 1 cm each.

52. How many of the smaller cubes will be formed ?

- (a) 8
- (b) 27
- (c) 125
- (d) 64

53. How many of the smaller cubes will have exactly 2 faces painted ?

- (a) 6
- (b) 12
- (c) 18
- (d) 24

54. How many of the smaller cubes will not have any face painted ?

- (a) 6
- (b) 8
- (c) 12
- (d) None of these

55. How many smaller cubes will have 1 face painted ?

- (a) 6
- (b) 12
- (c) 15
- (d) 8

56. In a certain code language, '123' means 'hot filtered coffee', '356' means 'very hot day' and '589' means 'day and night'. Which digit stands for 'very' ?

- (a) 9
- (b) 5
- (c) 8
- (d) 6

Direction (Q. nos. 57 to 59) :

Five friends staying in hostel are sitting in a row for dinner. Their names are Sheena, Meena, Reena, Tina and Raveena (not in any order). They are all enrolled in different professional courses of same university. The professional courses they are doing are B. Tech, MBA, M. Tech. MCA and MS (not in any prder). Reena is doing M. Tech and she is not seated at any of the extreme position. No one else is seated at the right side of Raveena. The girl who is doing MCA is seated at immediate right of Meena who is neither doing B. Tech nor MBA. The girl who is doing MS is seated 2nd to the left of Tina. The girl who is doing MBA is at the middle most position.

57. Who is doing MCA ?

- (a) Meena
- (b) Raveena
- (c) Sheena
- (d) None of these

58. What is the Professional course which is being done by the girl who is seated at the 4th position from left ?

- (a) MCA
- (b) M. Tech
- (c) B. Tech
- (d) MBA

59. Who is doing MBA ?

- (a) Tina
- (b) Meena
- (c) Raveena
- (d) Sheena

60. If KANPUR is coded as MYPNWP, how is MEERUT coded in that code ?

- (a) OCGPWV
- (b) OCGPWR
- (c) KCCPSR
- (d) OGGTWV

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61. What will be the next term in the number series : 2, 5, 11, 23, ____ ?

- (a) 119
- (b) 106
- (c) 67
- (d) 47

62. What will be the next term in the number series : 1, 11, 23, 69, ____ ?

- (a) 119
- (b) 125
- (c) 131
- (d) 123

63. What will be the next term in the number series : 4, 6, 9, 14, ____ ?

- (a) 22
- (b) 21
- (c) 40
- (d) 52

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64. What will be the next term in the number series

5, 2, 25, 4, 125, 6, 625, ____ ?

- (a) 81
- (b) 7
- (c) 8
- (d) 1125

65. What will be the next term in the alphabetic series : A, E, I, O, ____ ?

- (a) S
- (b) U
- (c) W
- (d) Y

66. What will be the next term in the alphanumeric series : 1L2, 1N4, 1P6, 1R8, ____ ?

- (a) 2V2
- (b) 2Z6
- (c) 2T0
- (d) 2U1

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67. What will be the next term in the number series : 5, 16, 50, 153, ____ ?

(a) 463

(b) 256

(c) 203

(d) 466

Direction (Q. nos. 68 to 70) : Nine people Ajay, Bernard, Chirag, Dev, Elena, Firoz, Gauri, Harvinder and Indu are students of MBA 3rd semester of the same college. It is also known that they are top 9 ranked students of their batch (in academics up to 3rd semester). The topper is given 1st rank and 2nd topper is given 2nd rank and so on.

All of them own one car and each car is of a different model from KUV 100, Nano, Maruti 800, Swift, Baleno, Scorpio, Fortuner, Alto and Bolero (not necessarily in that order) . Rank 1 is the highest rank and rank 9 is the lowest rank.

Ajay does not own Baleno. Elena owns Nano and her rank is 2. Chirag owns Maruti 800 and there is a gap of 3 between his rank and Gauri's rank. There are 2 ranks between the ranks of the people

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who are the owners of Fortuner and Swift. Harvinder owns Swift and he has got an even rank. The person who owns the Scorpio has rank 4. Firoz is not the topper and he does not own the Bolero. The person with the lowest rank owns the KUV 100. There is the difference of 2 between the ranks of Firoz and Gauri (not necessarily in same order) . Dev's rank is immediately lower than that of Indu's rank Ajay's rank is an even number which is higher than the rank of Harvinder. The person whose rank is 3 owns Bolero.

68. Who is the owner of Alto ?

(a) Firoz

(b) Dev

(c) Bernard

(d) Ajay

69. How many students are there whose ranks are between the ranks of Bernard and Gauri ?

(a) 0

(b) 1

(c) 2

(d) 3

P. T. O.

70. Who is the owner of Fortuner ?

- (a) Gauri
- (b) Elena
- (c) Harvinder
- (d) Indu

Direction (Q. nos. 71 and 72) : R is the son of Y. Q is the daughter of V. Z is the son of Q and T. N is the father-in-law of T. Z and B are brothers of L.

71. How is L related to N ?

- (a) Grandson
- (b) Granddaughter
- (c) Son
- (d) Cannot be determined

72. How is R related to T ?

- (a) Brother-in-law
- (b) Father-in-law
- (c) Mother-in-law
- (d) Sister-in-law

73. Cheryl says that father of Anthony's father is my father. How is Anthony related to Cheryl ?

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

74. Akhil introduced Rajeev to his colleagues by saying "He is the son of the father of my daughter's mother". How is Rajeev related to Akhil ?

- (a) Brother
- (b) Brother-in-law
- (c) Father-in-law
- (d) Uncle

75. Parminder goes to see a film and finds a man who is his relative. The man is the husband of the sister of his mother. How is the Parminder related to the man ?

- (a) Brother
- (b) Nephew
- (c) Uncle
- (d) Father

Directions for (Q. nos. 76 to 78) :

A, Z, B, Y, C, X, D and W are 4 married couples seated around a circular table for lunch. Each one of them is facing the center of the table.

Further it is known that :

- (1) All the 4 females are housewives.
- (2) The males are Engineer, Manager, Architect and Professor.
- (3) Y is the manager and W is the Professor. Both of them are adjacent to each other.
- (4) The immediate neighbours of the 2 males other than W and V are only females.
- (5) All 4 couples are seated adjacent to each other (so each pair of husband and wife is seated adjacent to each other) .
- (6) D is the wife of Engineer and she is 2nd the right of W.
- (7) X is seated between D and W.
- (8) Z's husband is the Architect.
- (9) B is not the Engineer and C is the male.

76. Who is opposite to the wife of the manager ?

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

77. Which of the following is definitely false ?

- (a) C is the husband of Z
- (b) B is the husband of X
- (c) A is the wife of V
- (d) A and C are immediate neighbours of each other

78. Who is the Engineer ?

- (a) A
- (b) C
- (c) D
- (d) Cannot be determined

79. If VUVA is coded as BFEZ, then what is the code for BETA ?

- (a) VVZG
- (b) BVTZ
- (c) ZCVC
- (d) VVGZ

80. Pointing to a photograph of a girl, a lady said to a boy, "She is the sister of the son of your father's wife's husband." How is the girl's brother related to the boy ?

- (a) Brother
- (b) Son
- (c) Uncle
- (d) Cannot be determined

81. A cube has six sides, each of which has a different color—black, purple, brown, green, red and white. The red side is opposite to black. The green side is between the red and the black. The purple side is adjacent to the white. The brown side is adjacent to the purple. The red side is the bottom face. What are the colors of the 4 faces adjacent to green face ?

- (a) black, purple, brown, red
- (b) black, purple, brown, white
- (c) black, purple, red, white
- (d) black, brown, red, white

82. In climbing a round pole of 80 m height, a monkey climbs 5 m in a min and slips 2 m in the alternate min. How much time would the monkey take to get to the top of the pole ?

- (a) 50 min
- (b) 51 min
- (c) 54 min
- (d) 55 min

83. If White is called Red, Red is called Blue, Blue is called Green and Green is called Orange in a certain language, then what will be the colour of sky as per this language ?

- (a) Orange
- (b) Red
- (c) Green
- (d) White

84. Salman's house is North facing. He went out for college from his back door. After travelling some distance, he took a right turn to reach his office. Where is his office located if his house is at origin ?

- (a) North-East

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

85. House X is towards East of house Z. House Y is towards North of house X. House W is towards South of house Y. Towards which direction is house W from house Z ?

- (a) East
- (b) South-East
- (c) North-East
- (d) Data inadequate

86. Farha's shadow is falling to her back at 4 : 25 pm. The direction she is facing is :

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

87. Manoj is facing South direction. He took 2 consecutive left turns followed by 3 consecutive right turns. In which direction is he facing now ?

- (a) North

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

88. Rajeev started walking towards South. After walking 50 meters he took a right turn and walked 30 meters. He then took a right turn and walked 100 meters. He again took a right turn and walked 30 meters and stopped. How far and in which direction was he from the starting point ?

- (a) 50 meters South
- (b) 150 meters West
- (c) 150 meters East
- (d) 50 meters North

89. If CRICKET is coded as TEKCIRC, then what is the code for HOCKEY ?

- (a) YEKHOC
- (b) KEYCOH
- (c) YEKCOH
- (d) OHKCYE

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90. In a certain code SOCIAL is written as TQFMFR, then how you will code DIMPLE ?

- (a) EKPTQK
- (b) EKPQPJ
- (c) EKPSPJ
- (d) None of these

Direction (Question nos. 91 to 93) : A cube of side 3 cm is painted Pink on 2 adjacent faces, Yellow on 2 adjacent faces and Blue on 2 adjacent faces. It is now cut into smaller cubes of volume 0.125 cm^3 each.

91. How many smaller cubes are formed ?

- (a) 64
- (b) 125
- (c) 216
- (d) 343

92. How many of the smaller cubes will have exactly 2 faces painted by Blue ?

- (a) 4
- (b) 16
- (c) 24
- (d) 3

93. How many of the smaller cubes will have 2 faces painted Pink and 1 face painted Yellow ?

- (a) 1
- (b) 2
- (c) 8
- (d) 4

Direction (Q. nos. 94 to 96) : Each of these questions contains five statements followed by four sets of combinations of these. Choose the set in which the third statement is a logical conclusion of the first two.

94. (A) All Trees are Fruits.

(B) All Colours are Fruits.

(C) Some Fruits are not Trees.

(D) No Tree is Fruit.

(E) All Trees are Colours.

- (a) BDE
- (b) CAB
- (c) EBA
- (d) DEB

95. (A) Some Movies are not Serials.

(B) Some Serials are Movies.

(C) Some Movies are Plays.

(D) All Plays are Serials.

(E) No Movie is a Play.

(a) BCE

(b) CDB

(c) DCA

(d) AED

96. (A) Many Doctors are Scientists.

(B) Some Scientists are Players.

(C) Some Players are Doctors.

(D) Doctors are Engineers.

(E) No Doctor is Player is a possibility.

(a) BCA

(b) CDB

(c) ABE

(d) ABD

97. In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. How is PILLER written in that code ?

(a) 318826

(b) 318286

(c) 618826

(d) 328816

98. Pointing to the photograph of a boy Kritika said, "He is the brother of the daughter of the wife of my husband." How is the boy related to Kritika ?

(a) Husband

(b) Cousin

(c) Nephew

(d) Son

99. Kavita told her friend, 'Tomorrow I will attend the birthday party of the son of the only son-in-law of my mothers mother'. How is Kavita related to the person, whose birthday party she will attend tomorrow ?

(a) Mother