

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU  
ARE ASKED TO DO SO)

**A**

**FYMOBA-EE-2022**

**SET-X**

**10649**

Sr. No. ....

Time : 1¼ Hours

Max. Marks : 100

Total Questions : 100

Roll No. (in figures) \_\_\_\_\_ (in words) \_\_\_\_\_

Name \_\_\_\_\_ Father's Name \_\_\_\_\_

Mother's Name \_\_\_\_\_ Date of Examination \_\_\_\_\_

\_\_\_\_\_  
(Signature of the Candidate)

\_\_\_\_\_  
(Signature of the Invigilator)

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FYMOBA-EE-2022/(SET-X)/(A)

**Directions :** For Questions 1-5 fill in the blanks with correct prepositions :

1. The Dog sprang ..... the table.  
 (1) From                      (2) On                      (3) At                      (4) Upon
2. One must take pride ..... serving one's country.  
 (1) In                      (2) With                      (3) At                      (4) For
3. I met Ajay ..... the way.  
 (1) In                      (2) Of                      (3) On                      (4) At
4. The fool has parked his Jeep right ..... the entrance.  
 (1) Beyond                      (2) Within                      (3) At                      (4) On
5. I never use an ATM card, I always settle bills ..... cash.  
 (1) By                      (2) In                      (3) With                      (4) To

**Directions :** For Questions 6-10. In each question select the appropriate word that is opposite in meaning to the underlined word.

6. Recession is a major cause of Unemployment.  
 (1) Education                      (2) Poverty                      (3) Indigence                      (4) Inflation
7. Sagacious decisions taken at right time in career has long effects.  
 (1) Foolish                      (2) Thoughtful                      (3) Intelligent                      (4) Intuitive
8. The Teacher rejected his ludicrous proposal.  
 (1) Reasonable                      (2) Stupid                      (3) Farcical                      (4) Awkward
9. Squandering money is a bad habit.  
 (1) Stealing                      (2) Discarding                      (3) Hoarding                      (4) Donating
10. Man's basic nature is to be ebullient.  
 (1) Vibrant                      (2) Exuberant                      (3) Elated                      (4) Woeful

**Directions :** For Questions 11-15. Tick mark the appropriate one word equivalent in the following :

11. A place where birds are kept.  
 (1) Aquarium                      (2) Cage                      (3) Aviary                      (4) Sty
12. A system of government in which priests rule in the name of God.  
 (1) Plutocracy                      (2) Aristocracy                      (3) Theocracy                      (4) Purist

P. T. O.

13. A newly coined word or expression by an author.  
 (1) Reticent (2) Philistine (3) Neologism (4) Truism
14. The practice of writing dictionaries is called :  
 (1) Lexicography (2) Gerontology  
 (3) Demography (4) Philology
15. The study of ancient writing and scriptures :  
 (1) Numismatics (2) Psephology  
 (3) Palaeography (4) Calligraphy

*Directions : For Questions 16-20. Read the following sentence and tick mark the error.*

16. He/will return/on either Monday or Tuesday./No error  
 1 2 3 4
17. Playing the / Piano and singing/ simultaneously/ are difficult.  
 1 2 3 4
18. Neither Smith/ nor Martin/ are responsible./No error  
 1 2 3 4
19. It is I/ who is / to make / a call.  
 1 2 3 4
20. Mr. Haskins disliked/ me asking/ so many/ Questions.  
 1 2 3 4

*Directions : For Questions 21-25. Pick out the correct word of the following to fill in the blank.*

21. We were not impressed by ..... speaking softly.  
 (1) Him (2) His (3) Its (4) Us
22. Last week our Clergyman reminded us that living the upright life ..... a discipline.  
 (1) Is (2) Was (3) Will be (4) Can be
23. He will not bring the car here without ..... him.  
 (1) I tell (2) We tell (3) My telling (4) They tell

24. Help yourself ..... whatever you can use without wasting.  
(1) With (2) To (3) In (4) For
25. Rahul was found to ..... the required qualifications for the job.  
(1) Contain (2) Disclose (3) Posses (4) Acquire
26. A dice is thrown 5 times, then the probability that an even number will come up exactly 3 times is :  
(1)  $5/16$  (2)  $1/2$  (3)  $3/16$  (4)  $3/2$
27. A certain number of men can do work in 45 days. If there were 4 men less it could be finished in 15 days more. How many men are there ?  
(1) 28 men (2) 16 men (3) 24 men (4) 20 men
28. In a town of 10,000 families it was found that 40% family buy newspaper A, 20% buy newspaper B and 10% families buy newspaper C, 5% families buy A and B, 3% buy B and C and 4% buy A and C. If 2% families buy all the three newspapers, then number of families which buy A only is :  
(1) 3100 (2) 3300 (3) 2900 (4) 1400
29. Five coins whose faces are marked 2, 3 are tossed. The chance of obtaining a total of 12 is :  
(1)  $1/32$  (2)  $1/16$  (3)  $3/16$  (4)  $5/16$
30. The average speed of a car is 75 kmph. What will be the average speed of the car, if the driver decreases the average speed of the car by 40 per cent ?  
(1) 50 kmph (2) 45 kmph (3) 40 kmph (4) 55 kmph
31. The work done by a woman in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day ?  
(1)  $1\frac{1}{2}$  days (2)  $3\frac{1}{2}$  days (3) 3 days (4) 2 days
32. How many even numbers of 3 different digits can be formed from the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 (repetition is not allowed) ?  
(1) 224 (2) 280 (3) 324 (4) None of these
33. If 40% of a number is 256, then what is 25% of that number ?  
(1) 260 (2) 150 (3) 160 (4) 210

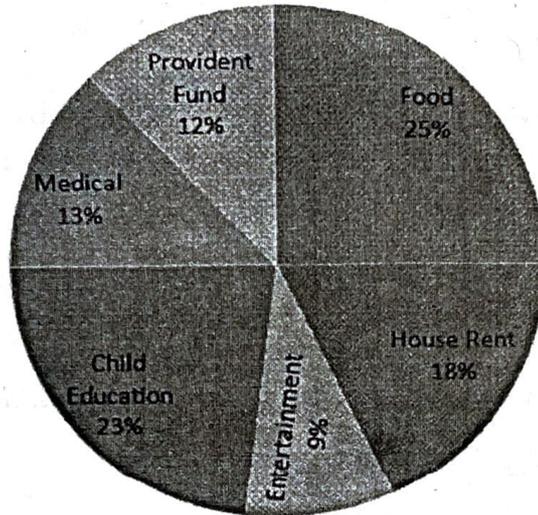
34. The prices of a Car and a Motorcycle are in the ratio 7 : 5. If the Car costs 8000 USD more than a Motorcycle set, then the price of a Car set is :  
 (1) USD 10,000 (2) USD 42,000 (3) USD 28,000 (4) USD 32,000
35. The expenditure of a family for a certain month were as follows :  
 Food - Rs. 560, Rent - Rs. 420, Clothes - Rs. 180, Education - Rs. 160, Other items - Rs. 120  
 A pie graph representing this data would show the expenditure for clothes by a sector whose angle equals :  
 (1) 180 degree (2) 90 degree (3) 45 degree (4) 64 degree
36. 15 men would finish a piece of work in 210 days. But at the end of every 10 days, 15 additional men are employed. In how many days will it be finished ?  
 (1) 30 days (2) 70 days (3) 35 days (4) 60 days
37. A box contains 100 tickets numbered 1, 2, ..... 100. Two tickets are chosen at random. It is given that the maximum number on the two chosen tickets is not more than 10. The minimum number on them is 5 with probability :  
 (1)  $\frac{1}{8}$  (2)  $\frac{13}{15}$  (3)  $\frac{1}{7}$  (4) None of these
38. In a battle 70% of the combatants lost one eye, 80% an ear, 75% an arm, 85% a leg,  $x\%$  lost all the four limbs. The minimum value of  $x$  is :  
 (1) 10 (2) 12 (3) 15 (4) None of these
39. Bhavani invested an amount of Rs. 13,900 divided in two different schemes, A and B at the simple interest rate of 14% per annum and 11% per annum respectively if the total amount of simple interest earned in two year be Rs. 3,508, what was the amount invested in Scheme B ?  
 (1) 6,400 (2) 6,500 (3) 7,200 (4) 7,900
40. In a factory there are three types of machines b1, b2, and b3 which produces 20%, 15%, and 32% of the total products respectively. Further, machines b1, b2, and b3 which produces 3%, 7%, and 2% defective products respectively. Find the percentage of non-defective products :  
 (1) 46% (2) 30% (3) 53% (4) 64%

41. Guru :  
 together  
 they w  
 (1) A  
 (3) A
42. Five r  
 In ho  
 empty  
 (1) 2
43. There  
 Micha  
 one or  
 (1) 3
44. A box  
 shirts  
 (1) 6
45. Imagi  
 mana  
 day v  
 of the  
 (1) 7
46. If Fat  
 20%  
 disco  
 profit  
 (1) 3
47. A me  
 remai  
 have  
 (1) R

41. Guru and Chela walk around a circular path of 115 km in circumference, they start together from the same point. If they walk at speed of 4 and 5 kmph respectively, also they walk in the same direction, when will they meet ?
- (1) After 115 hours (2) After 125 hours  
(3) After 120 hours (4) After 210 hours
42. Five racquets needs to be placed in three boxes. Each box can hold all the five racquets. In how many ways can the racquets be placed in the boxes so that no box can be empty, if all racquets are different but all boxes are identical ?
- (1) 24 (2) 25 (3) 27 (4) 26
43. There are 12 copies of Beetles CDs, 7 copies of Pink Floyd CDs, 3 different CDs of Michael Jackson, and 2 different CDs of Madonna. Find the number of ways in which one or more than one CD can be selected ?
- (1) 3388 (2) 3376 (3) 3366 (4) 3327
44. A box contains 2 white shirts, 3 black shirts, and 4 red shirts. In how many ways can 3 shirts be drawn from the box, if at least one black shirt is to be included in the draw ?
- (1) 60 (2) 40 (3) 64 (4) 82
45. Imagine that there are four hundred and fifty nine managers in a hotel. If the number of managers is enlarged by 36, the expenses of the food increased by Rs. eighty one per day while the average spending per head decreased by one. Find the original spending of the hotel on food ?
- (1) 7344 (2) 7244 (3) 7044 (4) 7444
46. If Fatima sells 60 identical toys at a 40% discount on the printed price, then she makes 20% profit. Ten of these toys are destroyed in fire. While selling the rest, how much discount should be given on the printed price so that she can make the same amount of profit ?
- (1) 30% (2) 25% (3) 24% (4) 28%
47. A merchant buys 80 articles, each at Rs. 40. He sells  $n$  of them at a profit of  $n\%$  and the remaining at a profit of  $(100 - n)\%$ . What is the minimum profit the merchant could have made on this trade ?
- (1) Rs. 2,160 (2) Rs. 1,420 (3) Rs. 1,580 (4) Rs. 2,210

Instructions for Question Nos. 48, 49 & 50 :

The pie chart given below represents the domestic expenditure of a family in percent. Study the chart and answer the following three questions (48, 49 & 50) if the total monthly income of the family is Rs. 33,650.

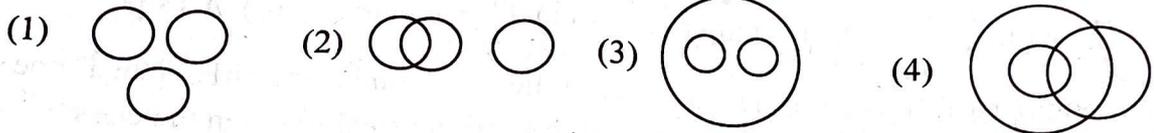


48. The house rent per month is :
- (1) Rs. 6,000      (2) Rs. 6,152      (3) Rs. 6,057      (4) Rs. 6,048
49. After Provided fund deductions and payment of house rent, the total monthly income of the family remains :
- (1) Rs. 23,545      (2) Rs. 24,435      (3) Rs. 23,555      (4) Rs. 25,355
50. The total amount per month the family spends on food and entertainment combined together is :
- (1) Rs. 11,432      (2) Rs. 11,441      (3) Rs. 12,315      (4) Rs. 12,443
51. P, Q, R, S, T, U and V are sitting in a circle facing the centre. S, who is second to the right hand side of R, is not to the immediate right to V. U is not between V and T. P is between R and Q. If Q and R interchange places so as to be like T and V, then which of the following is *true* ?
- (1) S is third to the right of R      (2) T is second to the left of R  
 (3) Q is fourth to the right of T      (4) None of the above
52. Five shirts are placed on a shelf in a heap, Red shirt is above the Blue shirt and Green shirt is below the Orange shirt. Blue shirt is above the Orange shirt and White shirt is below the Green shirt. The colour of the shirt between Red and Orange is :
- (1) White      (2) Green      (3) Blue      (4) None of these

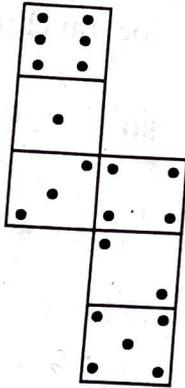
53. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is Doctor. E is an Engineer and married to one of the brothers and has two children. B is married to D and G is their child. Who is C ?  
 (1) G's father      (2) F's father      (3) E's daughter      (4) A's son
54. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?  
 (1) 48      (2) 44      (3) 42      (4) 40
55. A worker may claim Rs. 15 for each km which he travels by taxi and Rs. 5 for each km which he drives his own car. If in one week, he claimed Rs. 500 for travelling 80 km, how many kilometers did he travel by taxi ?  
 (1) 10      (2) 20      (3) 30      (4) 80
56. Four girls are sitting on chairs for a group photograph :  
 (i) Sheela is to the left of Rani  
 (ii) Meena is to the right of Rani  
 (iii) Rita is in between Rani and Meena  
 Who would be second from the left in the photograph ?  
 (1) Meena      (2) Sheela      (3) Rani      (4) Rita
57. In a certain code 'INACTIVE' is written as VITCANIE. How is 'COMPUTER' written in that code ?  
 (1) UTEPMOCR      (2) MOCPETUR      (3) ETUPMOCR      (4) PMOCRETU
58. Which number would replace blank space in the series ?  
 1, 20, 58, ....., 191  
 (1) 105      (2) 115      (3) 111      (4) 116
59. Introducing a girl, Rahul said, "Her mother is the only daughter of my mother-in-law". How is Rahul related to this girl ?  
 (1) Uncle      (2) Brother      (3) Husband      (4) Father
60. If the code for 'CHAP' is 'XSZK', then what is 'WVZU' the code for ?  
 (1) LEAP      (2) MOST      (3) DEAF      (4) COST

61. The four Venn diagrams (1), (2), (3) and (4) are given below. Elements of the following can be represented by any one of the diagrams. Choose the *correct* Venn diagram from the options :

Males, Cousins, Nephews



62. How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube ?



- (1) 2 (2) 4 (3) 5 (4) 6

63. Rearrange the jumbled alphabets in the following option and find the odd word among them :

- (1) YOJ (2) SNAPIHSPE  
(3) TEIHGTEDMNL (4) RHICA

64. AEZ : EIY : IOX : .....

- (1) UYZ (2) AEX (3) EIX (4) OUW

65. Five students participated in the scholarship examination. 'Sudha' scored higher than Puja. Kavita scored lower than Suma but higher than Sudha. Mamta scored between Puja and Sudha. Who scored lowest in the examination ?

- (1) Puja (2) Kavita (3) Mamta (4) Sudha

66. Five senior citizens are living in a multi-storied building. Mr. Bhagat lives in a flat above Mr. Ashokan, Mr. Lokesh lives in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat above Mr. Gaurav and Mr. Rakesh lives in a flat between Mr. Lokesh. Who lives in the topmost flat ?

- (1) Mr. Bhagat (2) Mr. Gaurav (3) Mr. Lokesh (4) Mr. Rakesh

A

67. There are 30 plants of Chiku, Guava, Sitafal and Mango in a row. There is one pair of Mango plants after Chiku and Guava and Mango plants are followed by one Chiku and one Sitafal plant and so on. If the row begins with a plant of Chiku, then which of the following will be in the last of the row ?  
 (1) Chiku                      (2) Guava                      (3) Mango                      (4) Sitafal
68. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car there are three scooters and so on. Work out the number of scooters in the second half of the row ?  
 (1) 10                      (2) 12                      (3) 15                      (4) 17
69. A, B, C, D, E and F are sitting around a round table. A is between E and F, E is opposite D and C is not in either of the neighbouring seats of E. Who is opposite to B ?  
 (1) F                      (2) C                      (3) D                      (4) None of these
70. Manu goes 40 km North, turns right and goes 80 km, turns right again and goes 30 km. In the end, he turns right again and goes 80 km. How far is he from his starting point if he goes straight ahead another 50 km and turns left to go his last 10 km ?  
 (1) 10 km                      (2) 30 km                      (3) 40 km                      (4) 50 km
71. If the third day of a month is Monday, which of the following will be the fifth day from 21st of that month ?  
 (1) Tuesday                      (2) Monday                      (3) Wednesday                      (4) Thursday
72. A is B's brother, "I have as many sisters as brothers" tells B to one of her friends. How many brothers and sisters are there in this family.  
 (1) Two brothers and two sisters                      (2) One brothers and one sister  
 (3) One brother and two sisters                      (4) Two brothers and one sister
73. Ravi and Dinesh are the sons of Mr. and Mrs. Gupta. 'Ravi' has married to 'Surya' and this couple is blessed with 'Tarun', 'Vinni' and 'Minni'. Seema is married to Tarun and they are blessed with 'Zeena' a beautiful daughter. How is Dinesh is related to 'Tarun' ?  
 (1) Brother                      (2) Father                      (3) Uncle                      (4) Brother-in-law

74. A train runs 120 km in West direction, 30 km in South direction and then 80 km in East direction before reaching the station. In which direction in the station from the trains starting point ?  
 (1) South West (2) North West (3) South East (4) South
75. If 27th March, 1995 was a Monday, then what day of the week was 1st November, 1994 ?  
 (1) Sunday (2) Monday (3) Tuesday (4) Wednesday
76. Which of the following standard deals with the environment ?  
 (1) ISO - 9000 (2) ISO - 26000  
 (3) ISO - 14000 (4) All of the above
77. GST is imposed on the following goods :  
 (1) Gold jewellery (2) Petrol (3) Liquor (4) CNG
78. Jaguar & Land Rover are the brands of which business group ?  
 (1) Birla group (2) Tata group  
 (3) Reliance group (4) Maruti
79. Who is the founder of Google ?  
 (1) Larry Page & Steve Maddan  
 (2) Sergey Brin & Steve Jobs  
 (3) Larry Page & Sergey Brin  
 (4) Henery Ford & Steven Spielberg
80. Who is known as 'Flying Sikh' ?  
 (1) K. D. Jadhav (2) Milkha Singh (3) Pargat Singh (4) Duleep Singh
81. WTO, an international organization is dealing with :  
 (1) Trade (2) Health (3) Sanitization (4) Finance
82. Which of the following city is going to host Olympics 2024 ?  
 (1) Manila (2) Tokyo (3) Sydney (4) Paris
83. P. V. Sindhu is associated with which of the following game ?  
 (1) Archery (2) Tennis (3) Badminton (4) Cricket
84. Which of the following is *not* a social networking site ?  
 (1) E-bay (2) Twitter (3) Instagram (4) LinkedIn

- A
85. Which newspaper Logo bears 'Let Truth Prevail' ?  
 (1) The Hindu (2) The Times of India  
 (3) The Indian Express (4) The Tribune
86. Unicorn companies are :  
 (1) Those that reach a valuation of \$1 billion after listing in stock market.  
 (2) Those that reach a valuation of \$1 million without being listed in stock market.  
 (3) Those that reach a valuation of \$1 million after listing in stock market.  
 (4) Those that reach a valuation of \$1 billion without being listed in stock market.
87. The author of world famous 'Harry Potter' series is :  
 (1) Chitra Banerjee Divaksruni (2) Salman Rushdie  
 (3) Arundhati Ray (4) J. K. Rowling
88. 'Trade deficit' means :  
 (1) Export > Import (2) Import > Export  
 (3) Export = Import (4) Import < Export
89. The term 'The Giving Pledge' is related with :  
 (1) Corporate governance (2) Business Ethics  
 (3) CSR (4) Media
90. Name the State that topped Khelo India games 2022 ?  
 (1) Maharashtra (2) Gujarat (3) Punjab (4) Haryana
91. Satya Nadella is the CEO of :  
 (1) Microsoft (2) Google (3) Apple (4) Intel
92. Baht is the currency of :  
 (1) Malaysia (2) Thailand (3) Indonesia (4) Vietnam
93. Which of the following is *not* indirect tax in Indian economy ?  
 (1) Sales tax (2) Excise duty  
 (3) Custom duty (4) Corporate tax
94. Who receive income from income tax ?  
 (1) Union Territory (2) Central Govt.  
 (3) State Govt. (4) All of the above



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10650

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1. P, Q, R, S, T, U and V are sitting in a circle facing the centre. S, who is second to the right hand side of R, is not to the immediate right to V. U is not between V and T. P is between R and Q. If Q and R interchange places so as to be like T and V, then which of the following is *true* ?
  - (1) S is third to the right of R
  - (2) T is second to the left of R
  - (3) Q is fourth to the right of T
  - (4) None of the above
2. Five shirts are placed on a shelf in a heap, Red shirt is above the Blue shirt and Green shirt is below the Orange shirt. Blue shirt is above the Orange shirt and White shirt is below the Green shirt. The colour of the shirt between Red and Orange is :
  - (1) White
  - (2) Green
  - (3) Blue
  - (4) None of these
3. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is Doctor. E is an Engineer and married to one of the brothers and has two children. B is married to D and G is their child. Who is C ?
  - (1) G's father
  - (2) F's father
  - (3) E's daughter
  - (4) A's son
4. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?
  - (1) 48
  - (2) 44
  - (3) 42
  - (4) 40
5. A worker may claim Rs. 15 for each km which he travels by taxi and Rs. 5 for each km which he drives his own car. If in one week, he claimed Rs. 500 for travelling 80 km, how many kilometers did he travel by taxi ?
  - (1) 10
  - (2) 20
  - (3) 30
  - (4) 80
6. Four girls are sitting on chairs for a group photograph :
  - (i) Sheela is to the left of Rani
  - (ii) Meena is to the right of Rani
  - (iii) Rita is in between Rani and Meena
 Who would be second from the left in the photograph ?
  - (1) Meena
  - (2) Sheela
  - (3) Rani
  - (4) Rita
7. In a certain code 'INACTIVE' is written as VITCANIE. How is 'COMPUTER' written in that code ?
  - (1) UTEPMOCR
  - (2) MOCPETUR
  - (3) ETUPMOCR
  - (4) PMOCRETU

8. Which number would replace blank space in the series ?

1, 20, 58, ....., 191

- (1) 105                      (2) 115                      (3) 111                      (4) 116

9. Introducing a girl, Rahul said, "Her mother is the only daughter of my mother-in-law"  
How is Rahul related to this girl ?

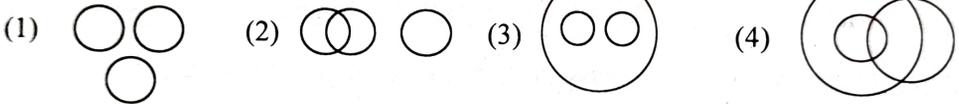
- (1) Uncle                      (2) Brother                      (3) Husband                      (4) Father

10. If the code for 'CHAP' is 'XSZK', then what is 'WVZU' the code for ?

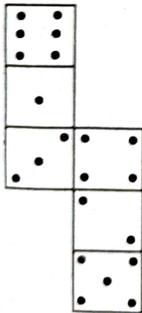
- (1) LEAP                      (2) MOST                      (3) DEAF                      (4) COST

11. The four Venn diagrams are (1), (2), (3) and (4) are given below. Elements of the following can be represented by any one of the diagrams. Choose the **correct** Venn diagram from the options :

Males, Cousins, Nephews



12. How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube ?



- (1) 2                      (2) 4                      (3) 5                      (4) 6

13. Rearrange the jumbled alphabets in the following option and find the odd word among them :

- (1) YOJ                      (2) SNAPIHSPE  
(3) TEIHGTEDMNL                      (4) RHICA

14. AEZ : EIY : IOX : .....

- (1) UYZ                      (2) AEX                      (3) EIX                      (4) OUW

15. Five students participated in the scholarship examination. 'Sudha' scored higher than Puja. Kavita scored lower than Suma but higher than Sudha. Mamta scored between Puja and Sudha. Who scored lowest in the examination ?  
(1) Puja                      (2) Kavita                      (3) Mamta                      (4) Sudha
16. Five senior citizens are living in a multi-storied building. Mr. Bhagat lives in a flat above Mr. Ashokan, Mr. Lokesh lives in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat above Mr. Gaurav and Mr. Rakesh lives in a flat between Mr. Lokesh. Who lives in the topmost flat ?  
(1) Mr. Bhagat              (2) Mr. Gaurav              (3) Mr. Lokesh              (4) Mr. Rakesh
17. There are 30 plants of Chiku, Guava, Sitafal and Mango in a row. There is one pair of Mango plants after Chiku and Guava and Mango plants are followed by one Chiku and one Sitafal plant and so on. If the row begins with a plant of Chiku, then which of the following will be in the last of the row ?  
(1) Chiku                      (2) Guava                      (3) Mango                      (4) Sitafal
18. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car there are three scooters and so on. Work out the number of scooters in the second half of the row ?  
(1) 10                              (2) 12                              (3) 15                              (4) 17
19. A, B, C, D, E and F are sitting around a round table. A is between E and F, E is opposite D and C is not in either of the neighbouring seats of E. Who is opposite to B ?  
(1) F                              (2) C                              (3) D                              (4) None of these
20. Manu goes 40 km North, turns right and goes 80 km, turns right again and goes 30 km. In the end, he turns right again and goes 80 km. How far is he from his starting point if he goes straight ahead another 50 km and turns left to go his last 10 km ?  
(1) 10 km                      (2) 30 km                      (3) 40 km                      (4) 50 km
21. If the third day of a month is Monday, which of the following will be the fifth day from 21st of that month ?  
(1) Tuesday                      (2) Monday                      (3) Wednesday                      (4) Thursday

22. A is B's brother, "I have as many sisters as brothers" tells B to one of her friends. How many brothers and sisters are there in this family.
- (1) Two brothers and two sisters                      (2) One brothers and one sister  
(3) One brother and two sisters                      (4) Two brothers and one sister
23. Ravi and Dinesh are the sons of Mr. and Mrs. Gupta. 'Ravi' has married to 'Surya' and this couple is blessed with 'Tarun', 'Vinni' and 'Minni'. Seema is married to Tarun and they are blessed with 'Zeena' a beautiful daughter. How is Dinesh is related to 'Tarun' ?
- (1) Brother                      (2) Father                      (3) Uncle                      (4) Brother-in-law
24. A train runs 120 km in West direction, 30 km in South direction and then 80 km in East direction before reaching the station. In which direction in the station from the trains starting point ?
- (1) South West                      (2) North West                      (3) South East                      (4) South
25. If 27th March, 1995 was a Monday, then what day of the week was 1st November, 1994 ?
- (1) Sunday                      (2) Monday                      (3) Tuesday                      (4) Wednesday

*Directions : For Questions 26-30 fill in the blanks with correct prepositions :*

26. The Dog sprang ..... the table.
- (1) From                      (2) On                      (3) At                      (4) Upon
27. One must take pride ..... serving one's country.
- (1) In                      (2) With                      (3) At                      (4) For
28. I met Ajay ..... the way.
- (1) In                      (2) Of                      (3) On                      (4) At
29. The fool has parked his Jeep right ..... the entrance.
- (1) Beyond                      (2) Within                      (3) At                      (4) On
30. I never use an ATM card, I always settle bills ..... cash.
- (1) By                      (2) In                      (3) With                      (4) To

*Directions : For Questions 31-35. In each question select the appropriate word that is opposite in meaning to the underlined word.*

31. Recession is a major cause of Unemployment.
- (1) Education                      (2) Poverty                      (3) Indigence                      (4) Inflation

B

32. Sagacious decisions taken at right time in career has long effects.  
 (1) Foolish (2) Thoughtful (3) Intelligent (4) Intuitive
33. The Teacher rejected his ludicrous proposal.  
 (1) Reasonable (2) Stupid (3) Farcical (4) Awkward
34. Squandering money is a bad habit.  
 (1) Stealing (2) Discarding (3) Hoarding (4) Donating
35. Man's basic nature is to be ebullient.  
 (1) Vibrant (2) Exuberant (3) Elated (4) Woeful

*Directions : For Questions 36-40. Tick mark the appropriate one word equivalent in the following :*

36. A place where birds are kept.  
 (1) Aquarium (2) Cage (3) Aviary (4) Sty
37. A system of government in which priests rule in the name of God.  
 (1) Plutocracy (2) Aristocracy (3) Theocracy (4) Purist
38. A newly coined word or expression by an author.  
 (1) Reticent (2) Philistine (3) Neologism (4) Truism
39. The practice of writing dictionaries is called :  
 (1) Lexicography (2) Gerontology  
 (3) Demography (4) Philology
40. The study of ancient writing and scriptures :  
 (1) Numismatics (2) Psephology  
 (3) Palaeography (4) Calligraphy

*Directions : For Questions 41-45. Read the following sentence and tick mark the error.*

41. He/will return/on either Monday or Tuesday./No error  
 1 2 3 4
42. Playing the / Piano and singing/ simultaneously/ are difficult.  
 1 2 3 4
43. Neither Smith/ nor Martin/ are responsible./No error  
 1 2 3 4

44. It is I/ who is / to make / a call.

1      2      3      4

45. Mr. Haskins disliked/ me asking/ so many/ Questions.

1                      2                      3                      4

*Directions : For Questions 46-50. Pick out the correct word of the following to fill in the blank.*

46. We were not impressed by ..... speaking softly.

(1) Him                      (2) His                      (3) Its                      (4) Us

47. Last week our Clergyman reminded us that living the upright life ..... a discipline.

(1) Is                      (2) Was                      (3) Will be                      (4) Can be

48. He will not bring the car here without ..... him.

(1) I tell                      (2) We tell                      (3) My telling                      (4) They tell

49. Help yourself ..... whatever you can use without wasting.

(1) With                      (2) To                      (3) In                      (4) For

50. Rahul was found to ..... the required qualifications for the job.

(1) Contain                      (2) Disclose                      (3) Posses                      (4) Acquire

51. Which of the following standard deals with the environment ?

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- B**
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 (1) TCS (2) Infosys (3) Wipro (4) HCL
74. How many sectors are included in 'Make in India' program ?  
 (1) 20 (2) 25 (3) 30 (4) 35
75. Name the statement wherein expected results are expressed in quantitative terms for a period.  
 (1) Program (2) Plan (3) Schedule (4) Budget
76. A dice is thrown 5 times, then the probability that an even number will come up exactly 3 times is :  
 (1)  $5/16$  (2)  $1/2$  (3)  $3/16$  (4)  $3/2$
77. A certain number of men can do work in 45 days. If there were 4 men less it could be finished in 15 days more. How many men are there ?  
 (1) 28 men (2) 16 men (3) 24 men (4) 20 men

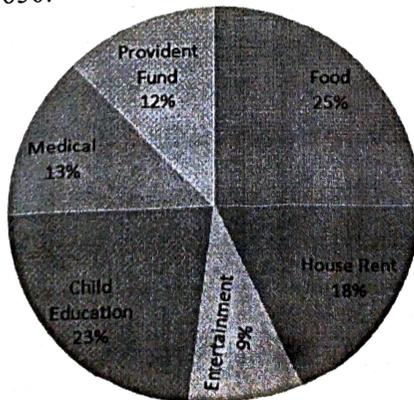
78. In a town of 10,000 families it was found that 40% family buy newspaper A, 20% buy newspaper B and 10% families buy newspaper C, 5% families buy A and B, 3% buy B and C and 4% buy A and C. If 2% families buy all the three newspapers, then number of families which buy A only is :
- (1) 3100                      (2) 3300                      (3) 2900                      (4) 1400
79. Five coins whose faces are marked 2, 3 are tossed. The chance of obtaining a total of 12 is :
- (1)  $1/32$                       (2)  $1/16$                       (3)  $3/16$                       (4)  $5/16$
80. The average speed of a car is 75 kmph. What will be the average speed of the car, if the driver decreases the average speed of the car by 40 per cent ?
- (1) 50 kmph                      (2) 45 kmph                      (3) 40 kmph                      (4) 55 kmph
81. The work done by a woman in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day ?
- (1)  $1\frac{1}{2}$  days                      (2)  $3\frac{1}{2}$  days                      (3) 3 days                      (4) 2 days
82. How many even numbers of 3 different digits can be formed from the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 (repetition is not allowed) ?
- (1) 224                      (2) 280                      (3) 324                      (4) None of these
83. If 40% of a number is 256, then what is 25% of that number ?
- (1) 260                      (2) 150                      (3) 160                      (4) 210
84. The prices of a Car and a Motorcycle are in the ratio 7 : 5. If the Car costs 8000 USD more than a Motorcycle set, then the price of a Car set is :
- (1) USD 10,000                      (2) USD 42,000                      (3) USD 28,000                      (4) USD 32,000
85. The expenditure of a family for a certain month were as follows :  
Food - Rs. 560, Rent - Rs. 420, Clothes - Rs. 180, Education - Rs. 160, Other items - Rs. 120  
A pie graph representing this data would show the expenditure for clothes by a sector whose angle equals :
- (1) 180 degree                      (2) 90 degree                      (3) 45 degree                      (4) 64 degree
86. 15 men would finish a piece of work in 210 days. But at the end of every 10 days, 15 additional men are employed. In how many days will it be finished ?
- (1) 30 days                      (2) 70 days                      (3) 35 days                      (4) 60 days

87. A box contains 100 tickets numbered 1, 2, ..... 100. Two tickets are chosen at random. It is given that the maximum number on the two chosen tickets is not more than 10. The minimum number on them is 5 with probability :
- (1)  $1/8$                       (2)  $13/15$                       (3)  $1/7$                       (4) None of these
88. In a battle 70% of the combatants lost one eye, 80% an ear, 75% an arm, 85% a leg,  $x\%$  lost all the four limbs. The minimum value of  $x$  is :
- (1) 10                      (2) 12                      (3) 15                      (4) None of these
89. Bhavani invested an amount of Rs. 13,900 divided in two different schemes, A and B at the simple interest rate of 14% per annum and 11% per annum respectively if the total amount of simple interest earned in two year be Rs. 3,508, what was the amount invested in Scheme B ?
- (1) 6,400                      (2) 6,500                      (3) 7,200                      (4) 7,900
90. In a factory there are three types of machines  $b_1$ ,  $b_2$ , and  $b_3$  which produces 20%, 15%, and 32% of the total products respectively. Further, machines  $b_1$ ,  $b_2$ , and  $b_3$  which produces 3%, 7%, and 2% defective products respectively. Find the percentage of non-defective products :
- (1) 46%                      (2) 30%                      (3) 53%                      (4) 64%
91. Guru and Chela walk around a circular path of 115 km in circumference, they start together from the same point. If they walk at speed of 4 and 5 kmph respectively, also they walk in the same direction, when will they meet ?
- (1) After 115 hours                      (2) After 125 hours  
(3) After 120 hours                      (4) After 210 hours
92. Five racquets needs to be placed in three boxes. Each box can hold all the five racquets. In how many ways can the racquets be placed in the boxes so that no box can be empty, if all racquets are different but all boxes are identical ?
- (1) 24                      (2) 25                      (3) 27                      (4) 26
93. There are 12 copies of Beatles CDs, 7 copies of Pink Floyd CDs, 3 different CDs of Michael Jackson, and 2 different CDs of Madonna. Find the number of ways in which one or more than one CD can be selected ?
- (1) 3388                      (2) 3376                      (3) 3366                      (4) 3327

94. A box contains 2 white shirts, 3 black shirts, and 4 red shirts. In how many ways can 3 shirts be drawn from the box, if at least one black shirt is to be included in the draw ?  
 (1) 60                      (2) 40                      (3) 64                      (4) 82
95. Imagine that there are four hundred and fifty nine managers in a hotel. If the number of managers is enlarged by 36, the expenses of the food increased by Rs. eighty one per day while the average spending per head decreased by one. Find the original spending of the hotel on food ?  
 (1) 7344                      (2) 7244                      (3) 7044                      (4) 7444
96. If Fatima sells 60 identical toys at a 40% discount on the printed price, then she makes 20% profit. Ten of these toys are destroyed in fire. While selling the rest, how much discount should be given on the printed price so that she can make the same amount of profit ?  
 (1) 30%                      (2) 25%                      (3) 24%                      (4) 28%
97. A merchant buys 80 articles, each at Rs. 40. He sells  $n$  of them at a profit of  $n\%$  and the remaining at a profit of  $(100 - n)\%$ . What is the minimum profit the merchant could have made on this trade ?  
 (1) Rs. 2,160                      (2) Rs. 1,420                      (3) Rs. 1,580                      (4) Rs. 2,210

*Instructions for Question Nos. 98, 99 & 10:*

The pie chart given below represents the domestic expenditure of a family in percent. Study the chart and answer the following three questions (98, 99 & 100) if the total monthly income of the family is Rs. 33,650.



98. The house rent per month is :

- (1) Rs. 6,000      (2) Rs. 6,152      (3) Rs. 6,057      (4) Rs. 6,048

99. After Provided fund deductions and payment of house rent, the total monthly income of the family remains :

- (1) Rs. 23,545      (2) Rs. 24,435      (3) Rs. 23,555      (4) Rs. 25,355

100. The total amount per month the family spends on food and entertainment combined together is :

- (1) Rs. 11,432      (2) Rs. 11,441      (3) Rs. 12,315      (4) Rs.12,443

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU  
ARE ASKED TO DO SO)

**C**

**FYMOBA-EE-2022**

**SET-X**

10647

Sr. No. ....

Time : 1¼ Hours

Max. Marks : 100

Total Questions : 100

Roll No. (in figures) \_\_\_\_\_ (in words) \_\_\_\_\_

Name \_\_\_\_\_ Father's Name \_\_\_\_\_

Mother's Name \_\_\_\_\_ Date of Examination \_\_\_\_\_

\_\_\_\_\_  
(Signature of the Candidate)

\_\_\_\_\_  
(Signature of the Invigilator)

**CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE  
STARTING THE QUESTION PAPER.**

- 1. All questions are compulsory.**
- The candidates **must return** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- Question Booklet along with answer key of all the A, B, C & D code will be got uploaded on the University website after the conduct of Entrance Examination. In case there is any discrepancy in the Question Booklet/Answer Key, the same may be brought to the notice of the Controller of Examinations in writing/through E.Mail (coe@mdurohtak.ac.in) within 24 hours of uploading the same on the University Website. Thereafter, no complaint in any case, will be considered.
- The candidate **must not** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers **must not** be ticked in the question booklet.
- There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.**
- Use only **Black or Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
- Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.**

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 (1) 20 (2) 25 (3) 30 (4) 35
25. Name the statement wherein expected results are expressed in quantitative terms for a period.  
 (1) Program (2) Plan (3) Schedule (4) Budget
26. P, Q, R, S, T, U and V are sitting in a circle facing the centre. S, who is second to the right hand side of R, is not to the immediate right to V. U is not between V and T. P is between R and Q. If Q and R interchange places so as to be like T and V, then which of the following is *true* ?  
 (1) S is third to the right of R (2) T is second to the left of R  
 (3) Q is fourth to the right of T (4) None of the above
27. Five shirts are placed on a shelf in a heap, Red shirt is above the Blue shirt and Green shirt is below the Orange shirt. Blue shirt is above the Orange shirt and White shirt is below the Green shirt. The colour of the shirt between Red and Orange is :  
 (1) White (2) Green (3) Blue (4) None of these
28. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is Doctor. E is an Engineer and married to one of the brothers and has two children. B is married to D and G is their child. Who is C ?  
 (1) G's father (2) F's father (3) E's daughter (4) A's son
29. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?  
 (1) 48 (2) 44 (3) 42 (4) 40
30. A worker may claim Rs. 15 for each km which he travels by taxi and Rs. 5 for each km which he drives his own car. If in one week, he claimed Rs. 500 for travelling 80 km, how many kilometers did he travel by taxi ?  
 (1) 10 (2) 20 (3) 30 (4) 80
31. Four girls are sitting on chairs for a group photograph :  
 (i) Sheela is to the left of Rani  
 (ii) Meena is to the right of Rani  
 (iii) Rita is in between Rani and Meena  
 Who would be second from the left in the photograph ?  
 (1) Meena (2) Sheela (3) Rani (4) Rita

32. In a certain code 'INACTIVE' is written as VITCANIE. How is 'COMPUTER' written in that code ?

- (1) UTEPMOCR (2) MOCPETUR (3) ETUPMOCR (4) PMOCRETU

33. Which number would replace blank space in the series ?

1, 20, 58, ....., 191

- (1) 105 (2) 115 (3) 111 (4) 116

34. Introducing a girl, Rahul said, "Her mother is the only daughter of my mother-in-law". How is Rahul related to this girl ?

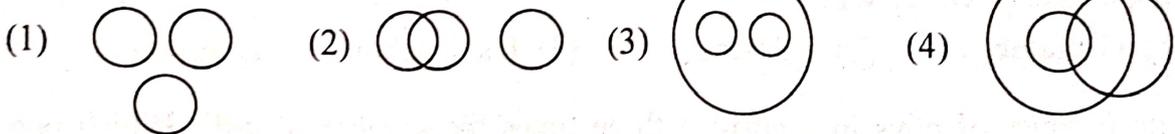
- (1) Uncle (2) Brother (3) Husband (4) Father

35. If the code for 'CHAP' is 'XSZK', then what is 'WVZU' the code for ?

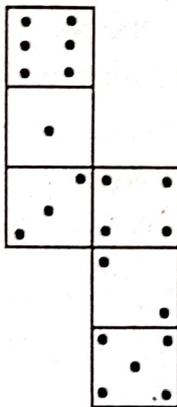
- (1) LEAP (2) MOST (3) DEAF (4) COST

36. The four Venn diagrams are (1), (2), (3) and (4) are given below. Elements of the following can be represented by any one of the diagrams. Choose the *correct* Venn diagram from the options :

Males, Cousins, Nephews



37. How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube ?



- (1) 2 (2) 4 (3) 5 (4) 6

38. Rearrange the jumbled alphabets in the following option and find the odd word among them :
- (1) YOJ (2) SNAPIHSPE  
(3) TEIHGTEDMNL (4) RHICA
39. AEZ : EIY : IOX : .....
- (1) UYZ (2) AEX (3) EIX (4) OUW
40. Five students participated in the scholarship examination. 'Sudha' scored higher than Puja. Kavita scored lower than Suma but higher than Sudha. Mamta scored between Puja and Sudha. Who scored lowest in the examination ?
- (1) Puja (2) Kavita (3) Mamta (4) Sudha
41. Five senior citizens are living in a multi-storied building. Mr. Bhagat lives in a flat above Mr. Ashokan, Mr. Lokesh lives in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat above Mr. Gaurav and Mr. Rakesh lives in a flat between Mr. Lokesh. Who lives in the topmost flat ?
- (1) Mr. Bhagat (2) Mr. Gaurav (3) Mr. Lokesh (4) Mr. Rakesh
42. There are 30 plants of Chiku, Guava, Sitafal and Mango in a row. There is one pair of Mango plants after Chiku and Guava and Mango plants are followed by one Chiku and one Sitafal plant and so on. If the row begins with a plant of Chiku, then which of the following will be in the last of the row ?
- (1) Chiku (2) Guava (3) Mango (4) Sitafal
43. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car there are three scooters and so on. Work out the number of scooters in the second half of the row ?
- (1) 10 (2) 12 (3) 15 (4) 17
44. A, B, C, D, E and F are sitting around a round table. A is between E and F, E is opposite D and C is not in either of the neighbouring seats of E. Who is opposite to B ?
- (1) F (2) C (3) D (4) None of these
45. Manu goes 40 km North, turns right and goes 80 km, turns right again and goes 30 km. In the end, he turns right again and goes 80 km. How far is he from his starting point if he goes straight ahead another 50 km and turns left to go his last 10 km ?
- (1) 10 km (2) 30 km (3) 40 km (4) 50 km

46. If the third day of a month is Monday, which of the following will be the fifth day from 21st of that month ?  
 (1) Tuesday (2) Monday (3) Wednesday (4) Thursday
47. A is B's brother, "I have as many sisters as brothers" tells B to one of her friends. How many brothers and sisters are there in this family.  
 (1) Two brothers and two sisters (2) One brothers and one sister  
 (3) One brother and two sisters (4) Two brothers and one sister
48. Ravi and Dinesh are the sons of Mr. and Mrs. Gupta. 'Ravi' has married to 'Surya' and this couple is blessed with 'Tarun', 'Vinni' and 'Minni'. Seema is married to Tarun and they are blessed with 'Zeena' a beautiful daughter. How is Dinesh is related to 'Tarun' ?  
 (1) Brother (2) Father (3) Uncle (4) Brother-in-law
49. A train runs 120 km in West direction, 30 km in South direction and then 80 km in East direction before reaching the station. In which direction in the station from the trains starting point ?  
 (1) South West (2) North West (3) South East (4) South
50. If 27th March, 1995 was a Monday, then what day of the week was 1st November, 1994 ?  
 (1) Sunday (2) Monday (3) Tuesday (4) Wednesday
51. A dice is thrown 5 times, then the probability that an even number will come up exactly 3 times is :  
 (1)  $5/16$  (2)  $1/2$  (3)  $3/16$  (4)  $3/2$
52. A certain number of men can do work in 45 days. If there were 4 men less it could be finished in 15 days more. How many men are there ?  
 (1) 28 men (2) 16 men (3) 24 men (4) 20 men
53. In a town of 10,000 families it was found that 40% family buy newspaper A, 20% buy newspaper B and 10% families buy newspaper C, 5% families buy A and B, 3% buy B and C and 4% buy A and C. If 2% families buy all the three newspapers, then number of families which buy A only is :  
 (1) 3100 (2) 3300 (3) 2900 (4) 1400
54. Five coins whose faces are marked 2, 3 are tossed. The chance of obtaining a total of 12 is :  
 (1)  $1/32$  (2)  $1/16$  (3)  $3/16$  (4)  $5/16$

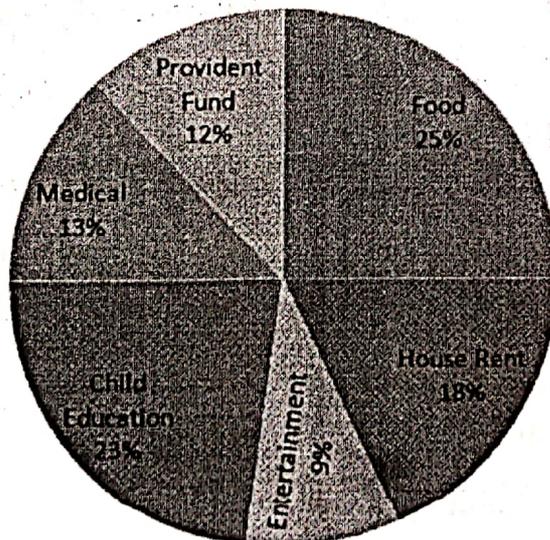
- 55.** The average speed of a car is 75 kmph. What will be the average speed of the car, if the driver decreases the average speed of the car by 40 per cent ?  
 (1) 50 kmph            (2) 45 kmph            (3) 40 kmph            (4) 55 kmph
- 56.** The work done by a woman in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day ?  
 (1)  $1\frac{1}{2}$  days            (2)  $3\frac{1}{2}$  days            (3) 3 days            (4) 2 days
- 57.** How many even numbers of 3 different digits can be formed from the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 (repetition is not allowed) ?  
 (1) 224            (2) 280            (3) 324            (4) None of these
- 58.** If 40% of a number is 256, then what is 25% of that number ?  
 (1) 260            (2) 150            (3) 160            (4) 210
- 59.** The prices of a Car and a Motorcycle are in the ratio 7 : 5. If the Car costs 8000 USD more than a Motorcycle set, then the price of a Car set is :  
 (1) USD 10,000    (2) USD 42,000    (3) USD 28,000    (4) USD 32,000
- 60.** The expenditure of a family for a certain month were as follows :  
 Food - Rs. 560, Rent - Rs. 420, Clothes - Rs. 180, Education - Rs. 160, Other items - Rs. 120  
 A pie graph representing this data would show the expenditure for clothes by a sector whose angle equals :  
 (1) 180 degree            (2) 90 degree            (3) 45 degree            (4) 64 degree
- 61.** 15 men would finish a piece of work in 210 days. But at the end of every 10 days, 15 additional men are employed. In how many days will it be finished ?  
 (1) 30 days            (2) 70 days            (3) 35 days            (4) 60 days
- 62.** A box contains 100 tickets numbered 1, 2, ..... 100. Two tickets are chosen at random. It is given that the maximum number on the two chosen tickets is not more than 10. The minimum number on them is 5 with probability :  
 (1)  $\frac{1}{8}$             (2)  $\frac{13}{15}$             (3)  $\frac{1}{7}$             (4) None of these

63. In a battle 70% of the combatants lost one eye, 80% an ear, 75% an arm, 85% a leg,  $x\%$  lost all the four limbs. The minimum value of  $x$  is :  
 (1) 10 (2) 12 (3) 15 (4) None of these
64. Bhavani invested an amount of Rs. 13,900 divided in two different schemes, A and B at the simple interest rate of 14% per annum and 11% per annum respectively if the total amount of simple interest earned in two year be Rs. 3,508, what was the amount invested in Scheme B ?  
 (1) 6,400 (2) 6,500 (3) 7,200 (4) 7,900
65. In a factory there are three types of machines b1, b2, and b3 which produces 20%, 15%, and 32% of the total products respectively. Further, machines b1, b2, and b3 which produces 3%, 7%, and 2% defective products respectively. Find the percentage of non-defective products :  
 (1) 46% (2) 30% (3) 53% (4) 64%
66. Guru and Chela walk around a circular path of 115 km in circumference, they start together from the same point. If they walk at speed of 4 and 5 kmph respectively, also they walk in the same direction, when will they meet ?  
 (1) After 115 hours (2) After 125 hours  
 (3) After 120 hours (4) After 210 hours
67. Five racquets needs to be placed in three boxes. Each box can hold all the five racquets. In how many ways can the racquets be placed in the boxes so that no box can be empty, if all racquets are different but all boxes are identical ?  
 (1) 24 (2) 25 (3) 27 (4) 26
68. There are 12 copies of Beatles CDs, 7 copies of Pink Floyd CDs, 3 different CDs of Michael Jackson, and 2 different CDs of Madonna. Find the number of ways in which one or more than one CD can be selected ?  
 (1) 3388 (2) 3376 (3) 3366 (4) 3327
69. A box contains 2 white shirts, 3 black shirts, and 4 red shirts. In how many ways can 3 shirts be drawn from the box, if at least one black shirt is to be included in the draw ?  
 (1) 60 (2) 40 (3) 64 (4) 82

- 70.** Imagine that there are four hundred and fifty nine managers in a hotel. If the number of managers is enlarged by 36, the expenses of the food increased by Rs. eighty one per day while the average spending per head decreased by one. Find the original spending of the hotel on food ?  
 (1) 7344                      (2) 7244                      (3) 7044                      (4) 7444
- 71.** If Fatima sells 60 identical toys at a 40% discount on the printed price, then she makes 20% profit. Ten of these toys are destroyed in fire. While selling the rest, how much discount should be given on the printed price so that she can make the same amount of profit ?  
 (1) 30%                      (2) 25%                      (3) 24%                      (4) 28%
- 72.** A merchant buys 80 articles, each at Rs. 40. He sells  $n$  of them at a profit of  $n\%$  and the remaining at a profit of  $(100 - n)\%$ . What is the minimum profit the merchant could have made on this trade ?  
 (1) Rs. 2,160                      (2) Rs. 1,420                      (3) Rs. 1,580                      (4) Rs. 2,210

*Instructions for Question Nos. 73, 74 & 75:*

The pie chart given below represents the domestic expenditure of a family in percent. Study the chart and answer the following three questions (73, 74 & 75) if the total monthly income of the family is Rs. 33,650.



- 73.** The house rent per month is :  
 (1) Rs. 6,000                      (2) Rs. 6,152                      (3) Rs. 6,057                      (4) Rs. 6,048

74. After Provided fund deductions and payment of house rent, the total monthly income of the family remains :  
 (1) Rs. 23,545      (2) Rs. 24,435      (3) Rs. 23,555      (4) Rs. 25,355
75. The total amount per month the family spends on food and entertainment combined together is :  
 (1) Rs. 11,432      (2) Rs. 11,441      (3) Rs. 12,315      (4) Rs.12,443

*Directions : For Questions 76-80 fill in the blanks with correct prepositions :*

76. The Dog sprang ..... the table.  
 (1) From              (2) On                  (3) At                  (4) Upon
77. One must take pride ..... serving one's country.  
 (1) In                  (2) With                (3) At                  (4) For
78. I met Ajay ..... the way.  
 (1) In                  (2) Of                  (3) On                  (4) At
79. The fool has parked his Jeep right ..... the entrance.  
 (1) Beyond            (2) Within              (3) At                  (4) On
80. I never use an ATM card, I always settle bills ..... cash.  
 (1) By                  (2) In                  (3) With                (4) To

*Directions : For Questions 81-85. In each question select the appropriate word that is opposite in meaning to the underlined word.*

81. Recession is a major cause of Unemployment.  
 (1) Education      (2) Poverty            (3) Indigence        (4) Inflation
82. Sagacious decisions taken at right time in career has long effects.  
 (1) Foolish            (2) Thoughtful        (3) Intelligent        (4) Intuitive
83. The Teacher rejected his ludicrous proposal.  
 (1) Reasonable      (2) Stupid              (3) Farcical            (4) Awkward
84. Squandering money is a bad habit.  
 (1) Stealing            (2) Discarding        (3) Hoarding            (4) Donating
85. Man's basic nature is to be ebullient.  
 (1) Vibrant            (2) Exuberant        (3) Elated              (4) Woeful

C

**Directions :** For Questions 86-90. Tick mark the appropriate one word equivalent in the following :

86. A place where birds are kept.  
 (1) Aquarium (2) Cage (3) Aviary (4) Sty
87. A system of government in which priests rule in the name of God.  
 (1) Plutocracy (2) Aristocracy (3) Theocracy (4) Purist
88. A newly coined word or expression by an author.  
 (1) Reticent (2) Philistine (3) Neologism (4) Truism
89. The practice of writing dictionaries is called :  
 (1) Lexicography (2) Gerontology  
 (3) Demography (4) Philology
90. The study of ancient writing and scriptures :  
 (1) Numismatics (2) Psephology  
 (3) Palaeography (4) Calligraphy

**Directions :** For Questions 91-95. Read the following sentence and tick mark the error.

91. He/will return/on either Monday or Tuesday./No error  
 1 2 3 4
92. Playing the / Piano and singing/ simultaneously/ are difficult.  
 1 2 3 4
93. Neither Smith/ nor Martin/ are responsible./No error  
 1 2 3 4
94. It is I/ who is / to make / a call.  
 1 2 3 4
95. Mr. Haskins disliked/ me asking/ so many/ Questions.  
 1 2 3 4

**Directions :** For Questions 96-100. Pick out the correct word of the following to fill in the blank.

96. We were not impressed by ..... speaking softly.  
 (1) Him (2) His (3) Its (4) Us

97. Last week our Clergyman reminded us that living the upright life ..... a discipline.  
(1) Is (2) Was (3) Will be (4) Can be
98. He will not bring the car here without ..... him.  
(1) I tell (2) We tell (3) My telling (4) They tell
99. Help yourself ..... whatever you can use without wasting.  
(1) With (2) To (3) In (4) For
100. Rahul was found to ..... the required qualifications for the job.  
(1) Contain (2) Disclose (3) Posses (4) Acquire

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU  
ARE ASKED TO DO SO)

**D**

**SET-X**

**FYMOBA-EE-2022**

**10648**

Sr. No. ....

Total Questions : 100

Time : 1¼ Hours

Max. Marks : 100

Roll No. (in figures) \_\_\_\_\_ (in words) \_\_\_\_\_

Name \_\_\_\_\_ Father's Name \_\_\_\_\_

Mother's Name \_\_\_\_\_ Date of Examination \_\_\_\_\_

\_\_\_\_\_  
(Signature of the Invigilator)

**CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE  
STARTING THE QUESTION PAPER.**

- All questions are compulsory.**
- The candidates **must return** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- Question Booklet along with answer key of all the A, B, C & D code will be got uploaded on the University website after the conduct of Entrance Examination. In case there is any discrepancy in the Question Booklet/Answer Key, the same may be brought to the notice of the Controller of Examinations in writing/through E.Mail (coe@mdurohtak.ac.in) within 24 hours of uploading the same on the University Website. Thereafter, no complaint in any case, will be considered.
- The candidate **must not** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers **must not** be ticked in the question booklet.
- There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.**
- Use only **Black or Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
- Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.**

**FYMOBA-EE-2022/(SET-X)/(D)**

SEAL

D

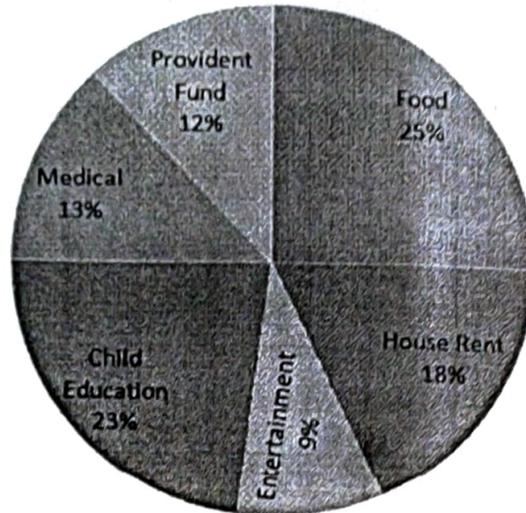
1. A dice is thrown 5 times, then the probability that an even number will come up exactly 3 times is :  
 (1)  $5/16$                       (2)  $1/2$                       (3)  $3/16$                       (4)  $3/2$
2. A certain number of men can do work in 45 days. If there were 4 men less it could be finished in 15 days more. How many men are there ?  
 (1) 28 men                      (2) 16 men                      (3) 24 men                      (4) 20 men
3. In a town of 10,000 families it was found that 40% family buy newspaper A, 20% buy newspaper B and 10% families buy newspaper C, 5% families buy A and B, 3% buy B and C and 4% buy A and C. If 2% families buy all the three newspapers, then number of families which buy A only is :  
 (1) 3100                      (2) 3300                      (3) 2900                      (4) 1400
4. Five coins whose faces are marked 2, 3 are tossed. The chance of obtaining a total of 12 is :  
 (1)  $1/32$                       (2)  $1/16$                       (3)  $3/16$                       (4)  $5/16$
5. The average speed of a car is 75 kmph. What will be the average speed of the car, if the driver decreases the average speed of the car by 40 per cent ?  
 (1) 50 kmph                      (2) 45 kmph                      (3) 40 kmph                      (4) 55 kmph
6. The work done by a woman in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day ?  
 (1)  $1\frac{1}{2}$  days                      (2)  $3\frac{1}{2}$  days                      (3) 3 days                      (4) 2 days
7. How many even numbers of 3 different digits can be formed from the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 (repetition is not allowed) ?  
 (1) 224                      (2) 280                      (3) 324                      (4) None of these
8. If 40% of a number is 256, then what is 25% of that number ?  
 (1) 260                      (2) 150                      (3) 160                      (4) 210
9. The prices of a Car and a Motorcycle are in the ratio 7 : 5. If the Car costs 8000 USD more than a Motorcycle set, then the price of a Car set is :  
 (1) USD 10,000                      (2) USD 42,000                      (3) USD 28,000                      (4) USD 32,000

10. The expenditure of a family for a certain month were as follows :
- Food - Rs. 560, Rent - Rs. 420, Clothes - Rs. 180, Education - Rs. 160, Other items - Rs. 120
- A pie graph representing this data would show the expenditure for clothes by a sector whose angle equals :
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11. 15 men would finish a piece of work in 210 days. But at the end of every 10 days, 15 additional men are employed. In how many days will it be finished ?
- (1) 30 days      (2) 70 days      (3) 35 days      (4) 60 days
12. A box contains 100 tickets numbered 1, 2, ..... 100. Two tickets are chosen at random. It is given that the maximum number on the two chosen tickets is not more than 10. The minimum number on them is 5 with probability :
- (1)  $\frac{1}{8}$       (2)  $\frac{13}{15}$       (3)  $\frac{1}{7}$       (4) None of these
13. In a battle 70% of the combatants lost one eye, 80% an ear, 75% an arm, 85% a leg,  $x\%$  lost all the four limbs. The minimum value of  $x$  is :
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14. Bhavani invested an amount of Rs. 13,900 divided in two different schemes, A and B at the simple interest rate of 14% per annum and 11% per annum respectively if the total amount of simple interest earned in two year be Rs. 3,508, what was the amount invested in Scheme B ?
- (1) 6,400      (2) 6,500      (3) 7,200      (4) 7,900
15. In a factory there are three types of machines b1, b2, and b3 which produces 20%, 15%, and 32% of the total products respectively. Further, machines b1, b2, and b3 which produces 3%, 7%, and 2% defective products respectively. Find the percentage of non-defective products :
- (1) 46%      (2) 30%      (3) 53%      (4) 64%

16. Guru and Chela walk around a circular path of 115 km in circumference, they start together from the same point. If they walk at speed of 4 and 5 kmph respectively, also they walk in the same direction, when will they meet ?  
(1) After 115 hours (2) After 125 hours  
(3) After 120 hours (4) After 210 hours
17. Five racquets needs to be placed in three boxes. Each box can hold all the five racquets. In how many ways can the racquets be placed in the boxes so that no box can be empty, if all racquets are different but all boxes are identical ?  
(1) 24 (2) 25 (3) 27 (4) 26
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20. Imagine that there are four hundred and fifty nine managers in a hotel. If the number of managers is enlarged by 36, the expenses of the food increased by Rs. eighty one per day while the average spending per head decreased by one. Find the original spending of the hotel on food ?  
(1) 7344 (2) 7244 (3) 7044 (4) 7444
21. If Fatima sells 60 identical toys at a 40% discount on the printed price, then she makes 20% profit. Ten of these toys are destroyed in fire. While selling the rest, how much discount should be given on the printed price so that she can make the same amount of profit ?  
(1) 30% (2) 25% (3) 24% (4) 28%
22. A merchant buys 80 articles, each at Rs. 40. He sells  $n$  of them at a profit of  $n\%$  and the remaining at a profit of  $(100 - n)\%$ . What is the minimum profit the merchant could have made on this trade ?  
(1) Rs. 2,160 (2) Rs. 1,420 (3) Rs. 1,580 (4) Rs. 2,210

Instructions for Question Nos. 23, 24 & 25 :

The pie chart given below represents the domestic expenditure of a family in percent. Study the chart and answer the following three questions (23, 24 & 25) if the total monthly income of the family is Rs. 33,650.



23. The house rent per month is :
- (1) Rs. 6,000      (2) Rs. 6,152      (3) Rs. 6,057      (4) Rs. 6,048
24. After Provided fund deductions and payment of house rent, the total monthly income of the family remains :
- (1) Rs. 23,545      (2) Rs. 24,435      (3) Rs. 23,555      (4) Rs. 25,355
25. The total amount per month the family spends on food and entertainment combined together is :
- (1) Rs. 11,432      (2) Rs. 11,441      (3) Rs. 12,315      (4) Rs. 12,443
26. Which of the following standard deals with the environment ?
- (1) ISO - 9000      (2) ISO - 26000  
 (3) ISO - 14000      (4) All of the above
27. GST is imposed on the following goods :
- (1) Gold jewellery    (2) Petrol      (3) Liquor      (4) CNG
28. Jaguar & Land Rover are the brands of which business group ?
- (1) Birla group      (2) Tata group  
 (3) Reliance group    (4) Maruti

29. Who is the founder of Google ?  
(1) Larry Page & Steve Maddan  
(2) Sergey Brin & Steve Jobs  
(3) Larry Page & Sergey Brin  
(4) Henery Ford & Steven Spielberg
30. Who is known as 'Flying Sikh' ?  
(1) K. D. Jadhav (2) Milkha Singh (3) Pargat Singh (4) Duleep Singh
31. WTO, an international organization is dealing with :  
(1) Trade (2) Health (3) Sanitization (4) Finance
32. Which of the following city is going to host Olympics 2024 ?  
(1) Manila (2) Tokyo (3) Sydney (4) Paris
33. P. V. Sindhu is associated with which of the following game ?  
(1) Archery (2) Tennis (3) Badminton (4) Cricket
34. Which of the following is *not* a social networking site ?  
(1) E-bay (2) Twitter (3) Instagram (4) LinkedIn
35. Which newspaper Logo bears 'Let Truth Prevail' ?  
(1) The Hindu (2) The Times of India  
(3) The Indian Express (4) The Tribune
36. Unicorn companies are :  
(1) Those that reach a valuation of \$1 billion after listing in stock market.  
(2) Those that reach a valuation of \$1 million without being listed in stock market.  
(3) Those that reach a valuation of \$1 million after listing in stock market.  
(4) Those that reach a valuation of \$1 billion without being listed in stock market.
37. The author of world famous 'Harry Potter' series is :  
(1) Chitra Banerjee Divakruni (2) Salman Rushdie  
(3) Arundhati Ray (4) J. K. Rowling
38. 'Trade deficit' means :  
(1) Export > Import (2) Import > Export  
(3) Export = Import (4) Import < Export

39. The term 'The Giving Pledge' is related with :  
(1) Corporate governance (2) Business Ethics  
(3) CSR (4) Media
40. Name the State that topped Khelo India games 2022 ?  
(1) Maharashtra (2) Gujarat (3) Punjab (4) Haryana
41. Satya Nadella is the CEO of :  
(1) Microsoft (2) Google (3) Apple (4) Intel
42. Baht is the currency of :  
(1) Malaysia (2) Thailand (3) Indonesia (4) Vietnam
43. Which of the following is *not* indirect tax in Indian economy ?  
(1) Sales tax (2) Excise duty  
(3) Custom duty (4) Corporate tax
44. Who receive income from income tax ?  
(1) Union Territory (2) Central Govt.  
(3) State Govt. (4) All of the above
45. India is the member of following economic grouping :  
(1) BRICS (2) NAFTA (3) EU (4) ASEAN
46. Who is Minister of Commerce and Industry in India ?  
(1) Piyush Goyal (2) Nirmala Sitharaman  
(3) Suresh Prabhu (4) Nitin Gadkari
47. Which of the following is *not* a Tech Company ?  
(1) Aramco (2) Apple (3) Google (4) Microsoft
48. According to the list of most ethical companies in the world (2022) which Indian Company has made it to the list ?  
(1) TCS (2) Infosys (3) Wipro (4) HCL
49. How many sectors are included in 'Make in India' program ?  
(1) 20 (2) 25 (3) 30 (4) 35
50. Name the statement wherein expected results are expressed in quantitative terms for a period.  
(1) Program (2) Plan (3) Schedule (4) Budget

D

**Directions :** For Questions 51-55 fill in the blanks with correct prepositions :

51. The Dog sprang ..... the table.  
 (1) From (2) On (3) At (4) Upon
52. One must take pride ..... serving one's country.  
 (1) In (2) With (3) At (4) For
53. I met Ajay ..... the way.  
 (1) In (2) Of (3) On (4) At
54. The fool has parked his Jeep right ..... the entrance.  
 (1) Beyond (2) Within (3) At (4) On
55. I never use an ATM card, I always settle bills ..... cash.  
 (1) By (2) In (3) With (4) To

**Directions :** For Questions 56-60. In each question select the appropriate word that is opposite in meaning to the underlined word.

56. Recession is a major cause of Unemployment.  
 (1) Education (2) Poverty (3) Indigence (4) Inflation
57. Sagacious decisions taken at right time in career has long effects.  
 (1) Foolish (2) Thoughtful (3) Intelligent (4) Intuitive
58. The Teacher rejected his ludicrous proposal.  
 (1) Reasonable (2) Stupid (3) Farcical (4) Awkward
59. Squandering money is a bad habit.  
 (1) Stealing (2) Discarding (3) Hoarding (4) Donating
60. Man's basic nature is to be ebullient.  
 (1) Vibrant (2) Exuberant (3) Elated (4) Woeful

**Directions :** For Questions 61-65. Tick mark the appropriate one word equivalent in the following :

61. A place where birds are kept.  
 (1) Aquarium (2) Cage (3) Aviary (4) Sty
62. A system of government in which priests rule in the name of God.  
 (1) Plutocracy (2) Aristocracy (3) Theocracy (4) Purist

63. A newly coined word or expression by an author.  
 (1) Reticent (2) Philistine (3) Neologism (4) Truism
64. The practice of writing dictionaries is called :  
 (1) Lexicography (2) Gerontology  
 (3) Demography (4) Philology
65. The study of ancient writing and scriptures :  
 (1) Numismatics (2) Psephology  
 (3) Palaeography (4) Calligraphy

**Directions :** For Questions 66-70. Read the following sentence and tick mark the error.

66. He/will return/on either Monday or Tuesday./No error  
 1      2                      3                      4
67. Playing the / Piano and singing/ simultaneously/ are difficult.  
           1                      2                      3                      4
68. Neither Smith/ nor Martin/ are responsible./No error  
           1                      2                      3                      4
69. It is I/ who is / to make / a call.  
           1      2      3      4
70. Mr. Haskins disliked/ me asking/ so many/ Questions.  
           1                      2                      3                      4

**Directions :** For Questions 71-75. Pick out the correct word of the following to fill in the blank.

71. We were not impressed by ..... speaking softly.  
 (1) Him (2) His (3) Its (4) Us
72. Last week our Clergyman reminded us that living the upright life ..... a discipline.  
 (1) Is (2) Was (3) Will be (4) Can be
73. He will not bring the car here without ..... him.  
 (1) I tell (2) We tell (3) My telling (4) They tell

D

74. Help yourself ..... whatever you can use without wasting.  
 (1) With (2) To (3) In (4) For
75. Rahul was found to ..... the required qualifications for the job.  
 (1) Contain (2) Disclose (3) Posses (4) Acquire
76. P, Q, R, S, T, U and V are sitting in a circle facing the centre. S, who is second to the right hand side of R, is not to the immediate right to V. U is not between V and T. P is between R and Q. If Q and R interchange places so as to be like T and V, then which of the following is *true* ?  
 (1) S is third to the right of R (2) T is second to the left of R  
 (3) Q is fourth to the right of T (4) None of the above
77. Five shirts are placed on a shelf in a heap, Red shirt is above the Blue shirt and Green shirt is below the Orange shirt. Blue shirt is above the Orange shirt and White shirt is below the Green shirt. The colour of the shirt between Red and Orange is :  
 (1) White (2) Green (3) Blue (4) None of these
78. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is Doctor. E is an Engineer and married to one of the brothers and has two children. B is married to D and G is their child. Who is C ?  
 (1) G's father (2) F's father (3) E's daughter (4) A's son
79. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?  
 (1) 48 (2) 44 (3) 42 (4) 40
80. A worker may claim Rs. 15 for each km which he travels by taxi and Rs. 5 for each km which he drives his own car. If in one week, he claimed Rs. 500 for travelling 80 km, how many kilometers did he travel by taxi ?  
 (1) 10 (2) 20 (3) 30 (4) 80
81. Four girls are sitting on chairs for a group photograph :  
 (i) Sheela is to the left of Rani  
 (ii) Meena is to the right of Rani  
 (iii) Rita is in between Rani and Meena  
 Who would be second from the left in the photograph ?  
 (1) Meena (2) Sheela (3) Rani (4) Rita

82. In a certain code 'INACTIVE' is written as VITCANIE. How is 'COMPUTER' written in that code ?

- (1) UTEPMOCR (2) MOCPETUR (3) ETUPMOCR (4) PMOCRETU

83. Which number would replace blank space in the series ?

1, 20, 58, ....., 191

- (1) 105 (2) 115 (3) 111 (4) 116

84. Introducing a girl, Rahul said, "Her mother is the only daughter of my mother-in-law". How is Rahul related to this girl ?

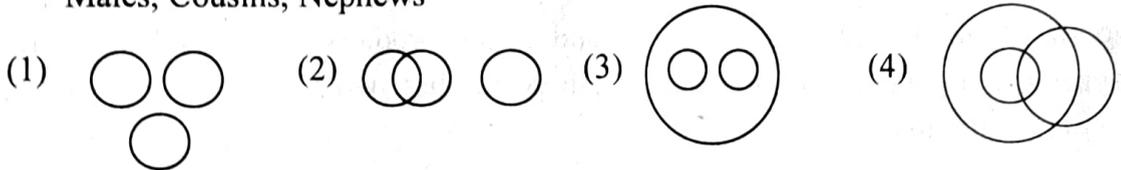
- (1) Uncle (2) Brother (3) Husband (4) Father

85. If the code for 'CHAP' is 'XSZK', then what is 'WVZU' the code for ?

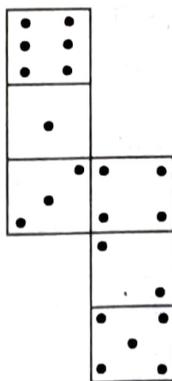
- (1) LEAP (2) MOST (3) DEAF (4) COST

86. The four Venn diagrams are (1), (2), (3) and (4) are given below. Elements of the following can be represented by any one of the diagrams. Choose the *correct* Venn diagram from the options :

Males, Cousins, Nephews



87. How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube ?



- (1) 2 (2) 4 (3) 5 (4) 6

88. Rearrange the jumbled alphabets in the following option and find the odd word among them :

- (1) YOJ (2) SNAPIHSPE  
(3) TEIHGTEDMNL (4) RHICA

D  
89. AEZ : EIY : IOX : .....

- (1) UYZ                      (2) AEX                      (3) EIX                      (4) OUW

90. Five students participated in the scholarship examination. 'Sudha' scored higher than Puja. Kavita scored lower than Suma but higher than Sudha. Mamta scored between Puja and Sudha. Who scored lowest in the examination ?

- (1) Puja                      (2) Kavita                      (3) Mamta                      (4) Sudha

91. Five senior citizens are living in a multi-storied building. Mr. Bhagat lives in a flat above Mr. Ashokan, Mr. Lokesh lives in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat above Mr. Gaurav and Mr. Rakesh lives in a flat between Mr. Lokesh. Who lives in the topmost flat ?

- (1) Mr. Bhagat              (2) Mr. Gaurav              (3) Mr. Lokesh              (4) Mr. Rakesh

92. There are 30 plants of Chiku, Guava, Sitafal and Mango in a row. There is one pair of Mango plants after Chiku and Guava and Mango plants are followed by one Chiku and one Sitafal plant and so on. If the row begins with a plant of Chiku, then which of the following will be in the last of the row ?

- (1) Chiku                      (2) Guava                      (3) Mango                      (4) Sitafal

93. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car there are three scooters and so on. Work out the number of scooters in the second half of the row ?

- (1) 10                      (2) 12                      (3) 15                      (4) 17

94. A, B, C, D, E and F are sitting around a round table. A is between E and F, E is opposite D and C is not in either of the neighbouring seats of E. Who is opposite to B ?

- (1) F                      (2) C                      (3) D                      (4) None of these

95. Manu goes 40 km North, turns right and goes 80 km, turns right again and goes 30 km. In the end, he turns right again and goes 80 km. How far is he from his starting point if he goes straight ahead another 50 km and turns left to go his last 10 km ?

- (1) 10 km                      (2) 30 km                      (3) 40 km                      (4) 50 km

96. If the third day of a month is Monday, which of the following will be the fifth day from 21st of that month ?

- (1) Tuesday                      (2) Monday                      (3) Wednesday                      (4) Thursday

97. A is B's brother. "I have as many sisters as brothers" tells B to one of her friends. How many brothers and sisters are there in this family.
- (1) Two brothers and two sisters                      (2) One brothers and one sister  
(3) One brother and two sisters                      (4) Two brothers and one sister
98. Ravi and Dinesh are the sons of Mr. and Mrs. Gupta. 'Ravi' has married to 'Surya' and this couple is blessed with 'Tarun', 'Vinni' and 'Minni'. Seema is married to Tarun and they are blessed with 'Zeena' a beautiful daughter. How is Dinesh is related to 'Tarun' ?
- (1) Brother                      (2) Father                      (3) Uncle                      (4) Brother-in-law
99. A train runs 120 km in West direction, 30 km in South direction and then 80 km in East direction before reaching the station. In which direction in the station from the trains starting point ?
- (1) South West                      (2) North West                      (3) South East                      (4) South
100. If 27th March, 1995 was a Monday, then what day of the week was 1st November, 1994 ?
- (1) Sunday                      (2) Monday                      (3) Tuesday                      (4) Wednesday

Answer key for M.B.A. 5 Years(Integrated ) for all Series/Codes 2022

| Q.No | A | B | C | D |
|------|---|---|---|---|
| 1    | 2 | 1 | 3 | 2 |
| 2    | 1 | 2 | 1 | 3 |
| 3    | 3 | 2 | 2 | 4 |
| 4    | 3 | 1 | 3 | 3 |
| 5    | 2 | 2 | 2 | 1 |
| 6    | 4 | 1 | 1 | 3 |
| 7    | 1 | 1 | 4 | 3 |
| 8    | 1 | 3 | 3 | 2 |
| 9    | 3 | 3 | 1 | 4 |
| 10   | 4 | 3 | 2 | 3 |
| 11   | 3 | 4 | 4 | 4 |
| 12   | 3 | 2 | 4 | 4 |
| 13   | 3 | 1 | 2 | 4 |
| 14   | 1 | 1 | 3 | 4 |
| 15   | 3 | 4 | 4 | 1 |
| 16   | 3 | 1 | 1 | 1 |
| 17   | 4 | 2 | 2 | 3 |
| 18   | 3 | 4 | 4 | 3 |
| 19   | 2 | 3 | 2 | 1 |
| 20   | 2 | 1 | 1 | 4 |
| 21   | 2 | 4 | 1 | 3 |
| 22   | 1 | 3 | 1 | 3 |
| 23   | 3 | 3 | 2 | 3 |
| 24   | 1 | 3 | 2 | 1 |
| 25   | 3 | 2 | 4 | 3 |
| 26   | 1 | 3 | 2 | 2 |
| 27   | 2 | 1 | 3 | 1 |
| 28   | 2 | 2 | 4 | 3 |
| 29   | 1 | 3 | 3 | 3 |
| 30   | 2 | 2 | 1 | 2 |
| 31   | 1 | 1 | 3 | 4 |
| 32   | 1 | 4 | 3 | 1 |
| 33   | 3 | 3 | 2 | 1 |
| 34   | 3 | 1 | 4 | 3 |
| 35   | 3 | 2 | 3 | 4 |
| 36   | 4 | 4 | 4 | 3 |
| 37   | 2 | 4 | 4 | 3 |
| 38   | 1 | 2 | 4 | 3 |
| 39   | 1 | 3 | 4 | 1 |
| 40   | 4 | 4 | 1 | 3 |
| 41   | 1 | 1 | 1 | 3 |
| 42   | 2 | 2 | 3 | 4 |
| 43   | 4 | 4 | 3 | 3 |
| 44   | 3 | 2 | 1 | 2 |
| 45   | 1 | 1 | 4 | 2 |
| 46   | 4 | 1 | 3 | 2 |
| 47   | 3 | 1 | 3 | 1 |

|    |   |   |   |   |
|----|---|---|---|---|
| 49 | 3 | 2 | 1 | 1 |
| 50 | 2 | 4 | 3 | 3 |
| 51 | 2 | 2 | 1 | 3 |
| 52 | 3 | 1 | 2 | 1 |
| 53 | 4 | 3 | 2 | 2 |
| 54 | 3 | 3 | 1 | 3 |
| 55 | 1 | 2 | 2 | 2 |
| 56 | 3 | 4 | 1 | 1 |
| 57 | 3 | 1 | 1 | 4 |
| 58 | 2 | 1 | 3 | 3 |
| 59 | 4 | 3 | 3 | 1 |
| 60 | 3 | 4 | 3 | 2 |
| 61 | 4 | 3 | 4 | 4 |
| 62 | 4 | 3 | 2 | 4 |
| 63 | 4 | 3 | 1 | 2 |
| 64 | 4 | 1 | 1 | 3 |
| 65 | 1 | 3 | 4 | 4 |
| 66 | 1 | 3 | 1 | 1 |
| 67 | 3 | 4 | 2 | 2 |
| 68 | 3 | 3 | 4 | 4 |
| 69 | 1 | 2 | 3 | 2 |
| 70 | 4 | 2 | 1 | 1 |
| 71 | 3 | 2 | 4 | 1 |
| 72 | 3 | 1 | 3 | 1 |
| 73 | 3 | 3 | 3 | 2 |
| 74 | 1 | 1 | 3 | 2 |
| 75 | 3 | 3 | 2 | 4 |
| 76 | 3 | 2 | 2 | 1 |
| 77 | 1 | 3 | 1 | 2 |
| 78 | 2 | 4 | 3 | 2 |
| 79 | 3 | 3 | 3 | 1 |
| 80 | 2 | 1 | 2 | 2 |
| 81 | 1 | 3 | 4 | 1 |
| 82 | 4 | 3 | 1 | 1 |
| 83 | 3 | 2 | 1 | 3 |
| 84 | 1 | 4 | 3 | 3 |
| 85 | 2 | 3 | 4 | 3 |
| 86 | 4 | 4 | 3 | 4 |
| 87 | 4 | 4 | 3 | 2 |
| 88 | 2 | 4 | 3 | 1 |
| 89 | 3 | 4 | 1 | 1 |
| 90 | 4 | 1 | 3 | 4 |
| 91 | 1 | 1 | 3 | 1 |
| 92 | 2 | 3 | 4 | 2 |
| 93 | 4 | 3 | 3 | 4 |
| 94 | 2 | 1 | 2 | 3 |
| 95 | 1 | 4 | 2 | 1 |
| 96 | 1 | 3 | 2 | 4 |
| 97 | 1 | 3 | 1 | 3 |

|     |   |   |   |   |
|-----|---|---|---|---|
| 99  | 2 | 1 | 1 | 3 |
| 100 | 4 | 3 | 3 | 2 |