

Seat No.	
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**ENT - 49**

**Total No. of Pages : 32**

**P. G. Re-Entrance Examination, 2024**  
**M.B.A. (Distance/Executive Mode)**  
**Sub. Code: 71136**

**Day and Date : Sunday, 21-07-2024**

**Total Marks : 100**

**Time : 12.00 p.m. to 1.30 p.m.**

**Instructions :**

- 1) All questions are compulsory.
- 2) Each question carries 1 mark.
- 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
- 4) Follow the instructions given on OMR sheet.
- 5) Rough work shall be done on the sheet provided at the end of question paper.

1. Fill in the blank by an appropriate alternative:

21 12 32 23 43 34 54.....

(A) 45

(B) 47

(C) 56

(D) 65

2. Choose the number that is different from the rest of the numbers:

(A) 128

(B) 147

(C) 164

(D) 173

3. Replace the question mark (?) by an appropriate alternative in the following series:

4  $14/3$   $16/3$  6?

- (A)  $20/3$  (B)  $22/3$   
(C) 8 (D) 9

4. Select the number that is different from the rest of the numbers:

- (A) 2105 (B) 3217  
(C) 5255 (D) 9879

5. '4 = 44 = 444 = 4444 + .....'

This series has nine terms. If we add these, which number will be in ten's place?

- (A) 2 (B) 3  
(C) 5 (D) 8

6. Replace the question mark (?) by an appropriate alternative in the following series: 32 33 37 46 62?

- (A) 85 (B) 87  
(C) 94 (D) 99

7. Find the odd man out:

- (A) 6 (B) 18  
(C) 24 (D) 36

8. Find the wrong term in the following series:

68 66 62 59 56 53

- (A) 59 (B) 62  
(C) 66 (D) 68

9. Which of the following numbers is different from the others?

- (A) 3156 (B) 4164  
(C) 5255 (D) 6366

10. Which of the following numbers is different from the others?

49, 81, 100, 144

- (A) 49 (B) 81  
(C) 100 (D) 144

11. A CD GHI ..... UVWXY

- (A) MNO  
(B) LMNO  
(C) MNOP  
(D) NOPQ

12. In a certain code language, each digit is coded as a letter. If 123 is coded as

BCD, what would be the value of  $H^2$ ?

- (A) DI (B) DJ  
(C) EJ (D) EK

13. Which one of the following terms is wrong in the following series?

A D I Q Y

(A) D

(B) I

(C) Q

(D) Y

14. Replace the question mark (?) by an appropriate alternative in the following letter series:

B D G K?

(A) P

(B) Q

(C) C

(D) N

15. Replace the question mark (?) by an appropriate alternative in the following series:

AZ DW GT JQ?

(A) LD

(B) MN

(C) MO

(D) NM

16. In a certain code language, PUNE is written as SXQH. How would you write DELHI in this language?

(A) FGNJL

(B) FGNJK

(C) GHOKM

(D) GHOKL

17. Find an appropriate letter combination in place of the question mark (?):

KP MN OL QJSH?

- |        |        |
|--------|--------|
| (A) UF | (B) UG |
| (C) TF | (D) VG |

18. Find the add-one from the following:

- |          |          |
|----------|----------|
| (A) DFEG | (B) JLKM |
| (C) GHIK | (D) RTSU |

19. If QTXI. in a code means OPTG then in the same code what does GKNS would mean?

- |          |          |
|----------|----------|
| (A) ELJO | (B) FIKN |
| (C) EHIN | (D) FEHJ |

20. If LONQ is converted into JMLO then by the same principles what could be the correct alternative for the GDJM?

- |          |          |
|----------|----------|
| (A) EBHK | (B) ECIL |
| (C) EHIK | (D) ECHK |

21. Replace the question mark (?) by an appropriate alternative:

Fatigue : Running : : ? : Fasting

- |               |            |
|---------------|------------|
| (A) Breakfast | (B) Food   |
| (C) Hunger    | (D) Health |

22. Fill in the blank with an appropriate alternative:

Beta : Alpha : Act one :-

- (A) Act two                                      (B) Overture  
(C) Finale                                      (D) Intermission

23. Which one of the following pairs of words is different from the others?

- (A) Bread Butter  
(B) Drink Tea  
(C) Liquid Water  
(D) Cold drink: Pepsi

24. Which of the following pairs is different from others?

- (A) Brother Sister                              (B) Tall-Short  
(C) Black-White                              (D) Old Young

25. While entering into the train Anil was ahead of Shyam, who was ahead of Kiran, Anil was behind Shweta. Which of the following shows the correct order of entry into the train?

- (A) Anil - Shyam - Kiran - Shweta  
(B) Shweta - Shyam - Anil - Kiran  
(C) Shweta - Anil - Shyam - Kiran  
(D) Anil - Shweta - Shyam - Kiran

26. Arrange the following terms in a meaningful-logical order indicating the correct sequence:

- |               |               |
|---------------|---------------|
| (1) Grass     | (2) Curd      |
| (3) Milk      | (4) Cow       |
| (5) Butter    |               |
| (A) 1-4-3-2-5 | (B) 4-3-2-1-5 |
| (C) 5-2-3-4-1 | (D) 4-1-3-2-5 |

27. Arrange the following terms in a meaningful-logical order indicating the correct order.

- |               |                 |
|---------------|-----------------|
| 1. Poverty    | 2. Population   |
| 3. Death      | 4. Unemployment |
| 5. Disease    |                 |
| (A) 4-2-1-5-3 | (B) 2-4-1-5-3   |
| (C) 1-5-2-4-3 | (D) 5-14-2-3    |

28. Below are given the names of four cities. Rearrange the alphabets properly and find the "odd man out among the cities:

- |             |            |
|-------------|------------|
| (A) HDOPJRU | (B) RUNKPA |
| (C) HELID   | (D) EHLORA |

29. Which one of the following words is different from the others?

- |               |           |
|---------------|-----------|
| (A) Beautiful | (B) Anger |
| (C) Honest    | (D) Cruel |

30. Which of the following is a correct description of the statement given below?

Statement: All animals die. Human beings are animals. Every human will die.

This statement is:

- |                |                  |
|----------------|------------------|
| (A) Perception | (B) Inference    |
| (C) Comparison | (1D) Implication |

Directions

In the questions below from 31 to 35, statement(s) is/are followed by two assumptions/conclusions. Decide which of the assumptions/conclusions is/are implicit in the given statement(s).

31. Statement: "If you complete your homework properly by this weekend, we shall go to a picnic the father promised the son. Assumptions

- (I) Children usually avoid homework.  
(II) Children usually dislike school and prefer to go to a picnic.

Indicate your answer by choosing one of the following alternatives.

- (A) if assumption (I) only is implicit  
(B) if assumption (II) only is implicit  
(C) if both (I) and (II) are implicit  
(D) if neither (I) nor (II) is implicit



32. Statements:

- (1) All typists are stenographers.
- (2) Some stenographers are girls.

Conclusions:

- (P) Some typists are girls.
- (Q) No typist is a girl.

Indicate your answer by using the appropriate alternative.

- (A) only conclusion P follows
- (B) only conclusion Q follows
- (C) both conclusions P and Q follow
- (D) neither conclusion P nor Q follows

33. Statements:

- (1) All clerks are modern.
- (2) Some men are clerks.

Conclusions:

- (P): All modern persons are men.
- (Q): Some men are modern

Indicate your answer by using the appropriate alternative.

- (A) if only conclusion P follows
- (B) if only conclusion Q follows
- (C) if both conclusions P and Q follow
- (D) if neither conclusion P nor Q follows

34. Statements:

I. Mahesh is taller than Arun.

II. Ganesh is shorter than Arun.

III. Seema is taller than Ganesh.

Conclusions:

(A) Arun is the tallest of all.

(B) Ganesh is shorter than Seema.

(C) Seema is taller than Mahesh.

(D) Mahesh is taller than Seema.

35. Statements:

1. All teachers are managers.

II. Some teachers are females.

Conclusions:

1. Some teachers are managers.

2. No manager is a female.

(A) Only conclusion 1 follows.

(B) Only conclusion 2 follows.

(C) Both conclusions 1 and 2 follow.

(D) Both conclusion I and conclusion 2 not follow.

36. Sheela said, "Ramesh is the son of the brother of my mother." How is Ramesh related to Sheela?
- (A) Nephew (B) Son  
(C) Uncle (D) Cousin
37. P is the brother of Q: Q is the son of R: S is R's father. What is P of S?
- (A) Son  
(B) Brother  
(C) Grandson  
(D) Grandfather
38. Suresh and Vidya are cousins. Madhuri is the sister of Vidya. Ganesh is the father of Suresh. How is Madhuri related to Ganesh?
- (A) Daughter (B) Niece  
(C) Cousin (D) Uncle
39. There are three men in a family. If two of them are sons and two of them are fathers, how is the youngest related to the eldest?
- (A) Grandfather  
(B) Grandson  
(C) Son  
(D) Father

40. A group consists of 4 girls and 7 boys. In how many ways can a team of 5 members be selected if the team has at least three girls?

- (A) 28 (B) 35  
(C) 98 (D) 91

Below are given marks of two candidates, Akshaya and Abhaya, in four papers each. Study these marks and answer the questions from 41 to 43.

	Paper			
<b>Akshaya</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
Maximum Marks	75	100	80	70
Marks Obtained	45	65	50	35
<b>Abhaya</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>
Maximum Marks	80	75	100	70
Marks Obtained	56	44	40	42

41. Considering the performance of Akshaya and Abhaya together, the best performance is shown by:

- (A) Akshaya in paper II  
(B) Abhaya in paper V  
(C) Akshaya in paper III  
(D) Abhaya in paper VI

42. How is Akshaya's paper wise performance ranked from best to worst?

- (A) II, 1, III, IV                      (B) I, II, III, IV  
(C) IL, III, L, IV                      (D) IV, I, II, III

43. Considering the performance of Akshaya and Abhaya in all the papers:

- (A) Akshaya has done better than Abhaya  
(B) Abhaya has done better than Akshaya  
(C) Both have done equally well  
(D) It is difficult to say who is better

The following table shows unit sales of TT950 motorcycles in six European countries over a six month period. Use this information to answer questions from 44 to 48.

	Months						
Country	Jan.	Feb.	March	Apr.	May	June	Total
Germany	34	47	45	54	56	60	296
U.K.	40	44	36	47	47	46	260
France	37	32	32	32	34	33	200
Belgium	14	14	14	16	17	14	89
Spain	29	29	28	31	29	31	177
Italy	22	24	24	26	25	23	144
<b>Total</b>	<b>176</b>	<b>190</b>	<b>179</b>	<b>206</b>	<b>208</b>	<b>207</b>	<b>1166</b>

44. What percentage of the overall total was sold in Germany?
- (A) 24.6 (B) 25.4
- (C) 25.8 (D) 24.1
45. What percentage of the overall total was sold in May?
- (A) 25.6
- (B) 24.1
- (C) 20.3
- (D) 17.9
46. Which month showed the biggest increase in total sales from the previous month?
- (A) February
- (B) March
- (C) April
- (D) May
47. What percentage of the monthly total was sold in the country that had the maximum sales in February?
- (A) 24.7
- (B) 23.1
- (C) 36.5
- (D) 15.1

48. What is the average number of units per month sold in Italy over the first four months?

- (A) 22 (B) 23  
(C) 24 (D) 26

Read the following table and answer the questions from 49 to 52:

	Income (in thousand rupees)			
Person	1990	1991	1992	1993
Mohan	120	160	200	240
Hariprasad	100	140	160	200
Laxman	90	120	150	200
Meenakshi	200	250	300	370
Radha	120	120	150	170

49. In which year the total income of all the persons is maximum?

- (A) 1990 (B) 1991  
(C) 1992 (D) 1993

50. Who has the average income of Rs. 1,40,000 for all the four years?

- (A) Mohan alone.  
(B) Mohan and Hariprasad both  
(C) Laxman and Radha both  
(D) Radha alone

51. How high is the total average income for four years of men compared to that of women (in thousand rupees)?
- (A) 213.334 (B) 350.044  
(C) 432.054 (D) 544.082
52. What is, in round figures, the ratio between the total income of men and that of women for all years?
- (A) 14:15 (B) 15:16  
(C) 23:21 (D) 16:14

The following table shows the percent change in monthly value of inventory at six businesses from April to June. Read the table and answer the questions from 53 to 55:

	Percent Change	
Business	From April to May	From May to June
P	+6	+8
Q	+5	-5
R	+2	+12
S	+8	-5
T	+14	0
U	+2	-10



53. If the value of inventory at Business Q was Rs. 30 lakh for April, what was its value for June?
- (A) Rs. 22.500 lakh                      (B) Rs. 29.925 lakh
- (C) Rs. 30.000 lakh                      (D) Rs. 33.000 lakh
54. Which of the six businesses had the greatest percent change in value of inventory from April to June?
- (A) P    (B) R
- (C) T    (D) P, R and T
55. The value of inventory for May as percentage of the value of inventory for June is maximum for Business:
- (A) Q    (B) S
- (C) T    (D) U

Read the following table and answer the questions 56 and 57:

Expenditure Details	Percentage
Expenses on food	30
House rent	25
Education	12
Clothing	18
Sundry	15

56. A family earning Rs. 35,000 per month went on a holiday for two weeks.

How much could they have saved on food if they had stayed with relatives during the holidays?

(A) Rs. 1,750 (B) Rs. 5,250

(C) Rs. 1,050 (D) Rs. 1,030

57. A newly married couple earns Rs. 35,000 per month. If they spend as per the table, how much can they save in two years?

(A) Rs. 20,000 (B) Rs. 1,00,000

(C) Rs. 1,00,800 (D) Nil

58. Consider a road map of a city having 5 approach roads from other places, 10 junctions and no internal road has a dead-end. Every junction except one is associated with 4 roads. If  $n$  number of roads is associated with the remaining junction then which of the following values is impossible for  $n$ ?

(A) 3 (B) 5

(C) 6 (D) 7

59. Immediately after 12 o'clock at what time duration both the minute hand and the hour hand of a watch exactly overlap?

(A) One hour

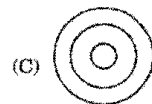
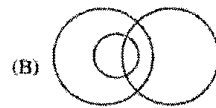
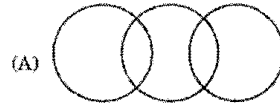
(B) One hour five minutes

(C) After 1 hour five minutes and before one hour six minutes

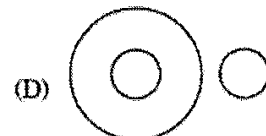
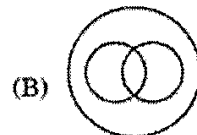
(D) After one hour six minutes

60. As the price of a book is reduced by 20%, then its consumption is increased by 25%. How much percentage difference is there in the previous income?
- (A) 10 (B) 20  
(C) 25 (D) 0
61. The percentage profit earned by selling an item for Rs. 2120 is same as the percentage. loss incurred by selling the same item for Rs. 1480. At what price should the item be sold to get 20% profit?
- (A) 2160 (B) 2200  
(C) 2050 (D) 1900
62. In a hospital, 260 patients of skin disorder were treated. If 150 of them had been exposed to chemical A, 76 to chemical B and 38 to both chemicals A and B, find out the number of patients exposed to chemical B but not chemical A:
- (A) 34 (B) 38  
(C) 74 (D) 184
63. In a picnic of elderly persons, 25 persons take tea, 20 persons take coffee and 15 persons take milk. Ten persons take both tea and coffee and 8 persons take both milk and coffee. None of them takes tea and milk both and everyone takes at least one of the three beverages. How many persons went to the picnic?
- (A) 25 (B) 35  
(C) 42 (D) 60

64. Which of the following diagrams shows the correct relationship among the three terms Athletes, Women, Mothers?

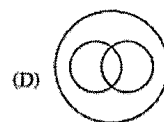
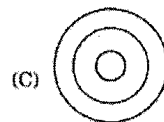
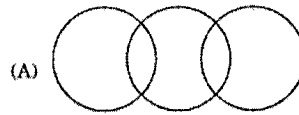


65. Which of the following diagrams shows the correct relationship among the three terms Women, Sisters, Mothers?



66. Which of the following diagrams shows the correct relationship among:

Boys. Students, Girls



67. In a certain code language using code symbols for mathematical operations,

$$18 + 3 = 6; 9 - 2 = 18; 11 \times 11 = 22 \text{ and } 18 \div 3 = 15.$$

Evaluate the following operation in this code language:  $8 \times 4 - 12 + 3 \div 2 = ?$

(A) 7 (B) 12

(C) 14 (D) 22

68. X, Y and Z are non-zero numbers.

If  $X = 2Y$  and  $Y \neq Z$ , then which of the following statements can be valid?

(A)  $X = Y + Z$

(B)  $X - Y = Z$

(C)  $X < Z$

(D) All the above statements can be valid

69. In a code language, the word BAD is written as 658. In the same language, what could be the code for FIG?

- (A) 9 12 10 (B) 10 13 11  
(C) 8 11 13 (D) 10 12 13

70. In a specific code language, letters are coded as digits. Sequence of the digits may not be the same as that of letters. In this language, GOD is coded as 243, DAM is coded as 135 and OAT is coded as 721. How will you write the word DOT in this language?

- (A) 731 (B) 327  
(C) 325 (D) 147

Question numbers 71 and 72 are based on the following information: Out of 80 players 35 play cricket, 42 play hockey, 25 play football, 8 play both cricket and hockey, 10 play both cricket and football, 7 play both hockey and football, 3 play all the three games.

71. How many players are playing only one game?

- (A) 102 (B) 80  
(C) 61 (D) 63

72. How many players play exactly two games?

- (A) 19 (B) 61  
(C) 80 (D) 16

73. There are flowers in a basket which are to be distributed to five persons standing in a row. The second person received half of the number of flowers given to the first person, the third person received half of the number of flowers received to the second person: the fourth person received half of the number of flowers received to the third person and the fifth person received half of the number of flowers received to the fourth person. If the fifth person received only one flower and there is no flower remaining in the basket, how many flowers were there in the basket?
- (A) 31 (B) 32  
(C) 16 (D) 15
74. The average weight of 25 children seating in a boat is 22 kgs. The average weight of the 25 children and padded is 24 kgs. What is the weight of the padded in kgs?
- (A) 74 (B) 71  
(C) 75 (D) 100
75. Dayanand planted sugarcane in  $\frac{1}{3}$  of his farm, groundnut in  $\frac{1}{4}$  of his farm and jowar in the remaining farm of 25 acres. How much is the total farm in acres to Dayanand?
- (A) 50 (B) 60  
(C) 120 (D) 75

76. What sum is to be invested for 2 years at 14% interest rate compounded annually to grow to Rs. 5458.32?
- (A) 4120 (B) 3300  
(C) 4200 (D) 4400
77. Arithmetic mean of 12 observations is 40. The smallest and the largest observations are 20 and 60 respectively. If we ignore the smallest and the largest observations then the arithmetic mean of the remaining observations
- (A) will increase  
(B) will decrease  
(C) will not change  
(D) cannot be obtained due to insufficient data
78. If 6 men or 8 children complete one task in 24 days, then how many days will be required to complete the task for 7 men and 12 children?
- (A) 12 (B) 9  
(C) 10 (D) 16
79. The area of a parallelogram is  $128 \text{ cm}^2$  and its altitude is twice the corresponding base. What is the length of the base?
- (A) 6 cm (B) 7 cm  
(C) 12 cm (D) 8 cm



80. A report regarding certain examination is given below:

Total number of candidates appeared = 1000

The number of male candidates = 550

The number of candidates passed = 700

The number of successful male candidates will lie between the limits.....

(A) 100 to 250

(B) 250 to 550

(C) 550 to 700

(D) 700 to 1000

Directions: Question numbers 81 and 82 are based on the following information: Among 800 students 220 failed in Marathi, 300 failed in English, 150 failed in Hindi, 125 failed in both Marathi and English, 70 failed in both Marathi and Hindi, 60 failed in both English and Hindi. 30 failed in all the three languages.

81. How many students failed in exactly two languages?

(A) 195

(B) 165

(C) 250

(D) 255

82. How many failed in only one language?

(A) 195

(B) 165

(C) 250

(D) 255

The following is the information about area of states and population:

State	A	B	C	D
Area (in square km.)	80,000	50,000	10,000	5,000
Population (in lakh)	16	10	4	3

83. Which is the most thickly populated state?

- (A) A (B) B  
(C) C (D) D

Question numbers 81 and 85 are based on the following information:

State	Total number of male & female employees	Ratio of number of males to that of female employees	Percentage of post- graduate among total employees
A	20,000	13:7	60
B	30,000	8:7	50
C	25,000	5:5	64
D	40,000	14:6	72
E	10,000	6:4	42

84. Find the number of male employees in state D:

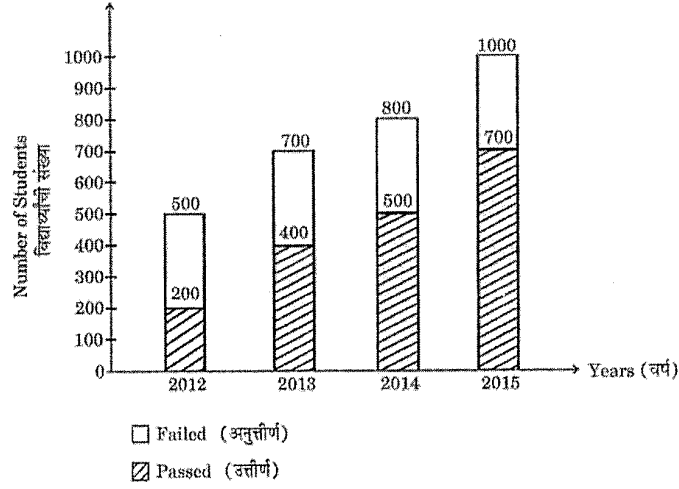
- (A) 14,000 (B) 6,000  
(C) 28,000 (D) 20,000

85. Find the number of post-graduate female employees in state B:

- (A) 8,000 (B) 15,000  
(C) 350 (D) 7,000

Directions: Question numbers 86 and 87 are based on the following diagram:

The following is a diagram of a certain college showing the number of students passed and failed during the years 2012 to 2015:



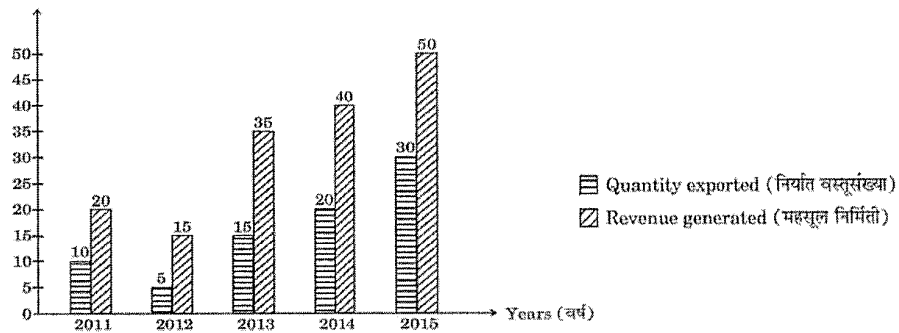
86. In which year is the percentage of passing of students maximum?

- (A) 2012 (B) 2013  
(C) 2014 (D) 2015

87. The percentage of passing of students in examination for all the years 2012 to 2015 combined together is \_

- (A) 50 (B) 57.14  
(C) 60 (D) 70

Question numbers 88 and 89 are based on the following diagram: showing the quantity of a certain goods exported in lakh units and the revenue generated in crores of rupees for the years 2011 to 2015:



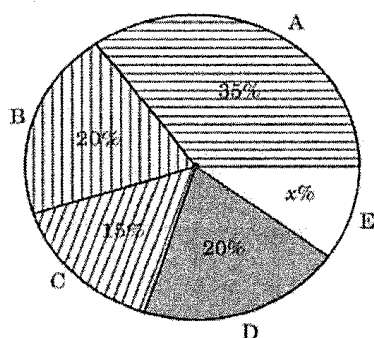
88. In which year the revenue generated per unit exported is maximum?

- (A) 2012 (B) 2013  
(C) 2014 (D) 2015

89. What is the average (arithmetic mean) per unit revenue generated during 2011 to 2015:

- (A) Rs. 166 (B) Rs. 200  
(C) Rs. 233 (D) Rs. 300

Question numbers 90 and 91 are based on the following pie diagram:



A: Printing cost

B: Cost of paper

C: Royalty

D: Advertisement charges

E: Other charges

90. If the cost of paper is Rs. 16,000, then find the amount of other charges:

- (A) Rs. 16,000 (B) Rs. 10,000  
(C) Rs. 8,000 (D) Rs. 12,000

91. The tax deducted at source is 10% of the royalty amount then the amount of tax paid is .....

- (A) Rs. 1,200 (B) Rs. 800  
(C) Rs. 1,000 (D) Rs. 8,000

92.  $1014 * 986 = ?$

(A) 98814

(B) 998804

(C) 998904

(D) 999804

93.  $9572 - 4018 - 2164 = ?$

(A) 3390

(B) 3300

(C) 3570

(D) 7718

94.  $7845 - ? 8461 - 3569$

(A) 2773

(B) 3569

(C) 2593

(D) None of these

95.  $39798 + 3798 + 378 - ?$

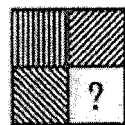
(A) 43576

(B) 43974

(C) 43984

(D) 49532

96. Identify the figure that completes the pattern at the place of ? in the figure X.



X



A



B

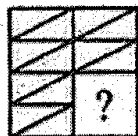


C



D

97. Identify the figure that completes the pattern at the place of ? in the figure X.



A



B

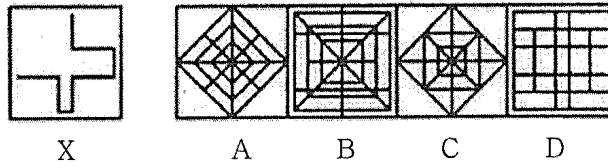


C

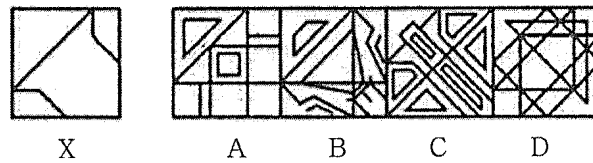


D

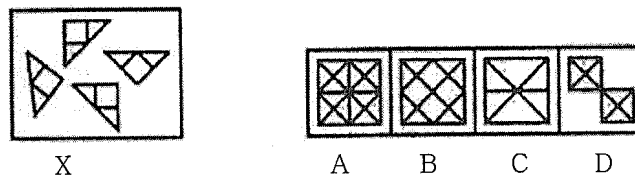
98. Find out the alternative figure which contains figure (X) as its part.



99. Find out the alternative figure which contains figure (X) as its part.



100. Find out which of the figures (A), (B), (C) and (D) can be formed from the pieces given in figure (X).



**- Rough Work -**

**ENT - 49**

**- Rough Work -**

**ENT - 49**