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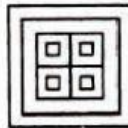
PART - IX

Directions : In Question Nos. 41 to 45, a question figure is given on the left side and four answer figures, marked 1, 2, 3, 4 are given on the right side. Select the answer figure which the question figure is hidden / embedded and write your answer only in English numbers (i.e. 1, 2, 3, 4) in the box against the number corresponding to the question.

Question Figure

Answer Figures

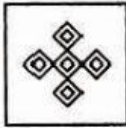
41.



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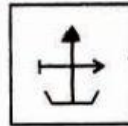
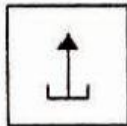


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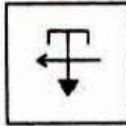


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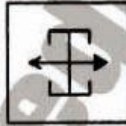
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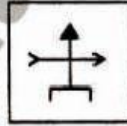
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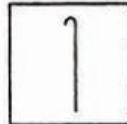


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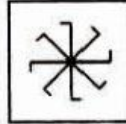
43.



(1)



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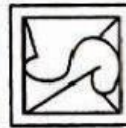


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44.



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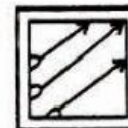
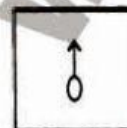


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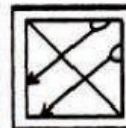


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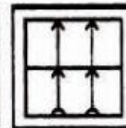
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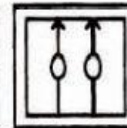
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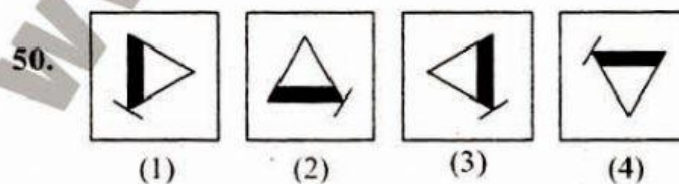
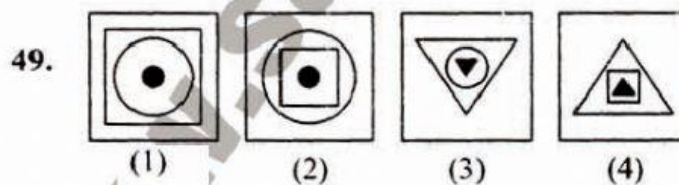
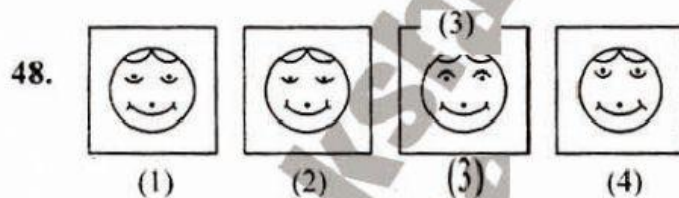
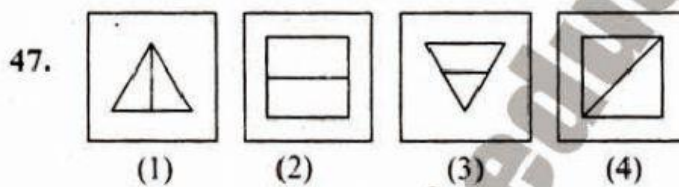
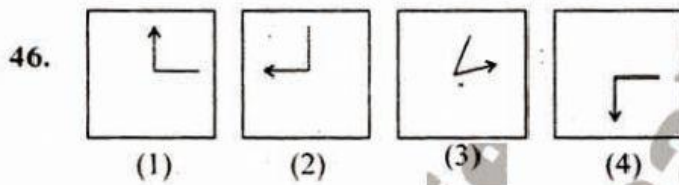
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PART - X

Directions : In Question Nos. 46 to 50, four figures 1, 2, 3 and 4 have been given in each question. Of these four figures, three figures are similar in some way and one figure is different. Select the figure which is different and write your answer only in English numbers (i.e., 1, 2, 3, 4) in the box against the number corresponding to the question.

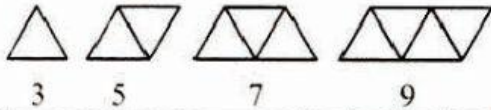


(12)

SECTION - II
ARITHMETIC

Directions : For every question, **four** probable answers bearing numbers 1, 2, 3 and 4 are given. Only **one** out of these is **correct**. You have to give the correct answer and write the number in the box against the number corresponding to the questions in the answer-sheet.

51. Observe the following pattern of triangles made of match-sticks :



Number of triangles	1	2	3	4
Number of matchsticks	3	5	7	9

How many match-sticks do you think are required to make 10 triangles ?

- (1) 15 (2) 19
(3) 21 (4) 25
52. The sum of the digits of a number is subtracted from the number. The resulting number is always divisible by
- (1) 2 (2) 5
(3) 8 (4) 9
53. The sum of first four multiples of 8 is
- (1) 60 (2) 70
(3) 80 (4) 100

54. A train starts at 1:45 PM from a station at a speed of 60 km/hr. At what time will it reach a station 165 km away ?

(1) 3.45 PM (2) 4.15 PM
(3) 4.30 PM (4) 6.00 PM

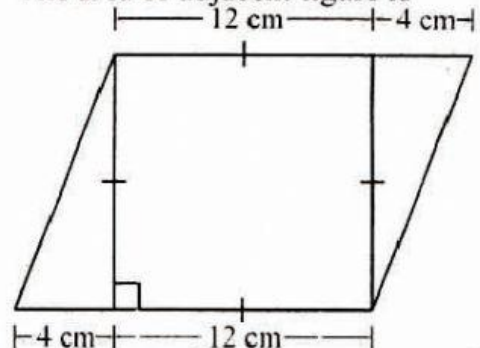
55. What should be side of square (in cm.) if its perimeter is equal to area ?

(1) 6 cm (2) 2 cm
(3) 4 cm (4) 8 cm

56. Jammu express starts from Jammu at 8:20 AM. It takes 8 hours 35 minutes to reach Delhi. If it is late by 25 minutes then at what time will it reach Delhi ?

(1) 5:15 PM (2) 4:55 PM
(3) 5:20 PM (4) 4:40 PM

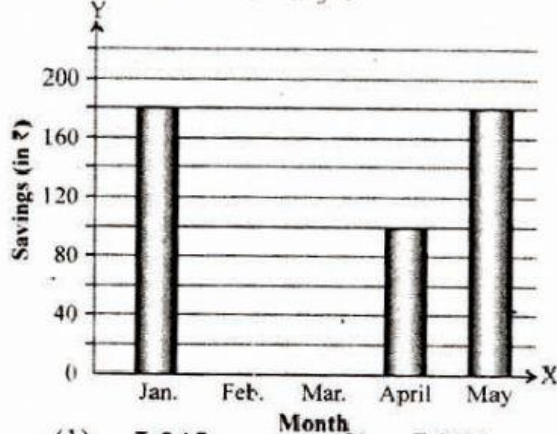
57. The area of adjacent figure is



(1) 144 cm² (2) 168 cm²
(3) 192 cm² (4) 236 cm²

Space For Rough Work

58. The incomplete bar graph shows Samyukta's savings during the first five months of a particular year. She saved a total of ₹ 950 during five months. The amount of money saved in February was as much as that saved in March. How much did she save in February?



- (1) ₹ 245 (2) ₹ 275
(3) ₹ 250 (4) ₹ 225
59. A fish tank can hold 45 litres of water when filled to the brim. It is $\frac{4}{9}$ filled, if $\frac{2}{5}$ of the water is removed, how much more water must be added in order to fill the tank to the brim?
- (1) 12 litres (2) 20 litres
(3) 33 litres (4) 35 litres
60. A fruit shop sells bananas at ₹ 40 per dozen or a banana for ₹ 5. How much will it cost to buy 99 bananas?
- (1) ₹ 335 (2) ₹ 320
(3) ₹ 300 (4) ₹ 495
61. 12 men or 15 women can finish a work in 24 days. In how many days the same work can be finished by 8 men and 8 women?
- (1) 16 days (2) 20 days
(3) 24 days (4) 28 days

(13)

62. Sharda bought a note book for ₹ 25.50, a pen for ₹ 7.50 and 6 pencils each costing ₹ 1.25. She gave a 50 rupee note to the shopkeeper. The amount returned by the shopkeeper is:

- (1) ₹ 9.50 (2) ₹ 15.75
(3) ₹ 40.50 (4) ₹ 18.50

63. The pictograph shows the number of baskets of mangoes sold by a trader in five days.

Monday	Tuesday	Wednesday	Thursday	Friday
○○○○○	○○○○ ○○○○	○○○○	○○○○○ ○○○○○	○○○○

(○ represent 20 baskets)

If the trader still had 200 baskets left after 5 days, how many baskets did he have in the beginning?

- (1) 620 (2) 720
(3) 820 (4) 931

64. If a is the predecessor of b , then the value of $(a - b)$ and $(b - a)$ are

- (1) -1 and 1 (2) 1 and -1
(3) 0 and 1 (4) 1 and 0

65. Joseph scored 8 marks fewer than Amit in an examination. Kumar scored 12 marks more than Amit. In total, they scored 205 marks. What was the score of Joseph?

- (1) 67 (2) 79
(3) 59 (4) 75

Space For Rough Work

(14)

66. 128 boxes are packed with 36 toffees in each box. If 4 toffees are packed less in a box, then the new number of boxes which can be filled with the same number of toffees is :
 (1) 108 (2) 144
 (3) 216 (4) 360
67. What is the length of the longest tape which can be used to measure exactly 1 m 75 cm, 4 m 50 cm and 6 m 50 cm ?
 (1) 25 cm (2) 50 cm
 (3) 55 cm (4) 75 cm
68. The product of H.C.F. and L.C.M. of two numbers is 384. If one of them is 24, then other number is :
 (1) 18 (2) 6
 (3) 32 (4) 16
69. The sum of two numbers is 345678. If one number is sixteen thousand sixteen greater than the other number, what is the greatest number ?
 (1) 164831 (2) 170847
 (3) 180847 (4) 329662
70. Which of the following number is divisible by 18 ?
 (1) 444444 (2) 555555
 (3) 666660 (4) 666666
71. The decimal equivalent to $\frac{1}{10} + \frac{11}{100} + \frac{111}{1000}$ is
 (1) 11.11 (2) 0.123
 (3) 0.321 (4) 0.1111
72. Rahul purchased old TV for ₹ 3,000. He spends ₹ 300 on its repair. He sold TV for ₹ 3,500. What is his profit ?
 (1) ₹ 500 (2) ₹ 250
 (3) ₹ 200 (4) ₹ 300
73. Amar borrowed ₹ 800 at a rate of interest of 5% per annum. The amount he will pay after $3\frac{1}{2}$ years is :
 (1) ₹ 920 (2) ₹ 940
 (3) ₹ 960 (4) ₹ 980
74. When 48.480 is divided by 8, quotient obtained is
 (1) 6.060 (2) 60.60
 (3) 6.006 (4) 6.60
75. If $4137 \div 1.75 = 2364$, then $41.37 \div 17.5$ is equal to
 (1) 0.2364 (2) 2.364
 (3) 23.64 (4) 236.4

Space For Rough Work

SECTION – III LANGUAGE

Directions : There are five passages in this Section. Each passage is followed by five questions. Read each passage carefully and answer the questions that follow. For each question four probable answers bearing numbers 1, 2, 3 and 4 are given. Only **one** out of these is **correct**. You have to choose the correct answer and write the number in the box against the number corresponding to the question in answer sheet.

Passage – I

Market day in a village is enjoyed by children and women and men. It is a good place for farmers to sell their vegetables and grain and all the things they grow in their fields. Early in the morning, the farmers load their bullock carts and tractors with sacks full of grain and baskets full of fruits and vegetables. They also carry their sheep and goats, cows and buffaloes and chickens that they want to sell at the market. They need to buy things also at the market. They need clothes and spices, and also several household goods. These things are not easily available near their farms.

The women buy colourful glass bangles from the bangle sellers. Fires are lit. Pakoras, puris and sabzi are cooked. Samosas and sugarcane juice are also very popular. Children run around happily with their friends. They take rides on swings and merry-go-rounds. Everyone loves a market day.

76. How do the farmers carry their vegetables and grains to the market ?
 - (1) in their trucks and cars
 - (2) in their bullock carts and tractors
 - (3) The farmers themselves carry them on their heads.
 - (4) They are carried by helpers and friends.
77. What else do the farmers carry to the market ?
 - (1) their cattle and chickens
 - (2) furniture
 - (3) clothes
 - (4) toys
78. Which of the following words means the same as the word, 'sacks' ?
 - (1) boxes
 - (2) bags
 - (3) cartons
 - (4) packets
79. What do the children do at the market ?
 - (1) sell vegetables and grain
 - (2) buy chickens and goats
 - (3) play around with their friends
 - (4) sell pakoras and samosas
80. Why is the market day in the village a good day for farmers ?
 - (1) Farmers meet their friends in the market.
 - (2) It is a good place to sell the things farmers grow.
 - (3) The farmers have a lot of fun at the market.
 - (4) The farmers get a chance to sit and eat samosas.

(16)
Passage – II

In April, just two weeks before the examinations, Swami realized that his father was changing – for the worse. He was becoming fussy and difficult. When Swami was seen chatting with his granny, he was told, “Remember boy, there is an examination. Your granny can wait, not your examination.” If he was seen moving behind his mother, he was caught and sent to his desk. If his voice was heard anywhere after the Taluk Office gong had struck nine, a command would come from his father’s room, “Swami, why haven’t you gone to bed yet ? You must get up early and study a bit.” One day, he asked his father, “Why are you so nervous about my examinations ?”

81. What had his father become ?

- (1) happy and simple
- (2) sad and angry
- (3) angry and fussy
- (4) fussy and difficult

82. Where was Swami sent to, when he was seen walking behind his mother ?

- (1) to the kitchen
- (2) to his desk
- (3) to his father’s room
- (4) to the bedroom

83. The word ‘command’ in the passage means :

- (1) to respect
- (2) to punish
- (3) to catch
- (4) to order

84. When the Taluk Office gong struck nine, Swami had to

- (1) study
- (2) get up from bed
- (3) go to bed
- (4) go to school

85. When did Swami realize that his father was changing ?

- (1) in April
- (2) in May
- (3) in June
- (4) in July

Passage – III

Long ago our rivers were fresh and clean ; so clean that people drank the river water. Those rivers were full of fish. People caught and cooked them. In time people built factories and towns that used the river water. Boats are used to carry goods and coal and oil, which sometimes falls into the water. People throw their garbage and dirty water into the rivers. They say, "Our garbage cannot make much difference".

But now the rivers have become too dirty to drink from and the fish have died. The rivers are now full of garbage that floats on the water.

People ate fish from the rivers because _____

- (1) they could catch them from the boats.
- (2) the factories helped the people.
- (3) the fish were dying in the river.
- (4) the fish are found in the clean water of the rivers.

Which is the correct statement ?

- (1) The rivers were dirty from the beginning.
- (2) The people could not drink river water earlier.
- (3) The rivers became dirty because of the oil and garbage thrown in.
- (4) There were no fish in the rivers because people cooked and ate them all.

88. What happened first ?

- (1) Fish were gone from the rivers.
- (2) Factory boats came down the rivers.
- (3) The rivers were clean and beautiful.
- (4) Towns built more and more factories.

89. The word opposite in meaning to the word 'clean' is _____.

- (1) dirty
- (2) nice
- (3) rich
- (4) different

90. Why did the rivers get dirty ?

- (1) Factories have been built in the towns.
- (2) Fish died in the rivers.
- (3) Boats are used to cross the rivers.
- (4) People threw garbage into the river.

Passage – IV

A robot is a machine. It is a machine that moves. It follows instructions. The instructions come from a computer. Because it is a machine, it does not make mistakes. It does not get tired. And it never complains.

Some robots are used to make things. Robots can help making cars. Some robots are used to explore dangerous places like exploring volcanoes. Some robots are used to clean things. These robots can help clean your house. Some robots can even recognize words. They can be used to help answer telephone calls. Some robots look like humans. But most robots just look like machines.

The first robot was built by George Devol in 1954 and was named Unimate. It was used to make cars. In the future, we will have even more robots that can fight fires, fight wars and fight sickness. They will help make life better.

91. What was the name of the first real robot ?
- (1) Giant arm
 - (2) Unimate
 - (3) Robot
 - (4) Special
92. The first robot was used to :
- (1) answer telephone calls
 - (2) explore volcanoes
 - (3) clean things
 - (4) make cars
93. Find a word from the passage which means 'discover'.
- (1) explore
 - (2) recognize
 - (3) instruct
 - (4) complain
94. The word opposite in meaning to the word 'dangerous' is :
- (1) free
 - (2) beautiful
 - (3) ugly
 - (4) safe
95. When was the 1st robot made ?
- (1) 1954
 - (2) 1900
 - (3) 2003
 - (4) 2000