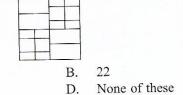
LOGICAL REASONING

1. Select a figure from the options which will continue the same series as established by the Problem Figures.

2. How many rectangles are formed in the figure given below?



3. A number arrangement machine, when given an input of numbers rearranges them in a particular order following certain rules. The following is a step by step process of rearrangements for given input of numbers.

Input : 85 16 36 04 19 97 63 09 Step I : 97 85 16 36 04 19 63 09

Step II: 97 85 63 16 36 04 19 09 **Step III**: 97 85 63 36 16 04 19 09

Step IV: 97 85 63 36 19 16 04 09

Step V : 97 85 63 36 19 16 09 04

For the given input, step V is the last step.

Which of the following will be the last step for the input given below?

Input : 16 09 25 27 06 05

A. I C. III

38

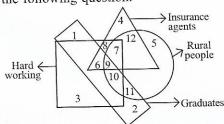
44

A.

C.

B. II D. IV

4. Study the given Venn diagram carefully and answer the following question.

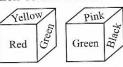


Non-rural and hard working insurance agents who are graduates are indicated by the region _____.

A. 5 C. 9 B. 7

5. Six faces of a cube have been painted with colours green, yellow, red, black, pink and white. Two positions

of the cube are given below. If the black colour is on the top, then which colour will be at the bottom?



A. Pink C. Yellow B. GreenD. Red

6. How many such odd numbers are there which are preceded by an odd number divisible by 3 or 5 and followed by an even number?

12, 19, 21, 3, 25, 18, 35, 20, 22, 21, 45, 46, 47, 48, 9, 50, 52, 54, 55, 56

A. Three

B. One

C. Two

D. None of these

7. Select the correct water image of the given combination of letters and numbers.

US91Q4M5W3

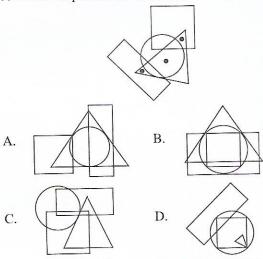
US91Q4M5W3 .A

B' US91Q4M5W3

C. EMSW+DI6SN

D. US91Q+M5WE

8. Which of the following options satisfies the same condition of placement of dots as in the given figure?



9. If '-' stands for 'addition', '-' stands for 'multiplication', '×' stands for 'subtraction' and '+' stands for 'division', then which of the following options is correct?

A. $25 \times 12 - 14 \div 4 + 6 = 16$

B. $25 - 12 + 14 \div 2 \times 4 = 15$

C. $25 - 15 + 5 \div 4 \times 16 = 21$

- D. $25 + 11 4 \div 10 \times 6 = 20$
- 10. Point B is 12 m South of point A. Point C is 24 m East of point B. Point D is 8 m South of point C. Point D is 12 m East of point F which is 8 m North of point E. If a man has to travel to point E from point A (through these points by the shortest distance), then which of the following points will he pass through first?

A. Point C

B. Point D

C. Point F

D. Point B