

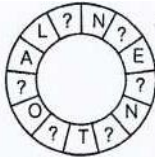
Olympiad Aptitude Test

Logical Reasoning- Grade IX

Directions (Q No. 1-2) Identify the relation that exists between the numbers in the first two sets and insert the missing number in the third set which completes it in the same way as the first two sets.

- (5 [18] 4) [6 [22] 5] [7 [?] 7]
 a 14 b 28 c 49 d 62
- (6 [30] 5) (8 [35] 4) (7 [?] 5)
 a 35 b 75 c 57 d 70

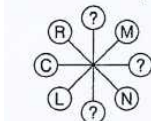
3.



A 13 letters word can be formed by inserting the missing spaces in the above figure, The correct word formed is when moved in clockwise direction,

- | | |
|-----------------|-----------------|
| a INAPPROPRIATE | b TOPOGRAPHICAL |
| c INTERNATIONAL | d ALTERNATIVELY |

4.



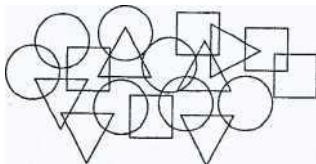
The above figure shows some letters with some of them missing. These 3 missing places would be filled by only 2 letters i.e. one letter to be used twice. The two letters are

- | | |
|-----------|-----------|
| a E and E | b I and A |
| c E and A | d I and E |

5. CLOCK [CODE] BREADS : NOISE ? JOKING

- | | |
|--------|--------|
| a KING | b JOKE |
| c SINK | d SING |

6. Count the number of circles, triangles and squares in the given figure



- | |
|--|
| a 7 circles, 6 triangles and 5 squares |
| b 7 circles, 6 squares and 5 triangles |
| c 6 circles, 7 triangles and 5 squares |
| d None of the above |

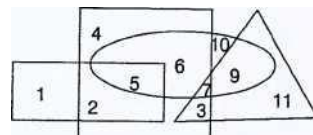
7. Five friends A, B, C, D and E are sitting in a row in the same order. All except two get up and interchange their seats. A now sits somewhere to the left of D but to the right of E. There are two persons sitting between B and C. Which two persons are sitting on the same seats as before?

- | | |
|--------|--------|
| a B, C | b B, D |
| c C, D | d D, E |

8. Six soldiers Veer, Vikram, Vijay, Vinod, Vinay and Vibhor are marching in a row towards the North. The one who is the tallest leads the march. Vibhor is taller than Vinod but is not as tall as Vinay. Vijay who has the same height as that of Vinod, is shorter than Vikram. The height of Veer is somewhere between the height of Vikram and Vinay. Who leads the march?

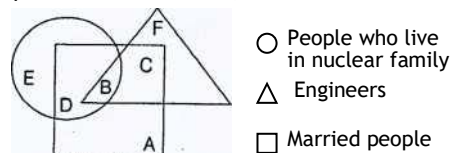
- | | |
|----------|---------------------|
| a Vinay | b Vikram |
| c Vibhor | d Either [a] or (b) |

9. Which number is in the square, ellipse and triangle?



- a.1 b. 5 c. 6 d. 7

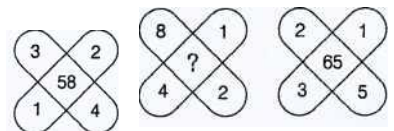
10. Study the following diagram and answer the question that follows,



Which letter represents the people who live in nuclear family but are neither married nor engineers?

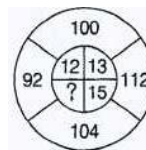
- | | | | |
|-----|-----|-----|-----|
| a E | b C | c B | d A |
|-----|-----|-----|-----|

11. Directions to. (Q. Nos. 11-12) Insert the missing number from among the given alternatives.



- a.121 b. 125 c. 144 d.127

12.



- a. 11 b.10 c. 12 d.14