CLASS: VII - SA1 MAX MARKS: 40

SUB: MATHEMATICS TIME: 90 MINUTES

SECTION – A

Multiple choice questions. 1M X 5 = 5M

1: The sum -10 + 3 =…….

A: 7 B: -10 C: 3 D: -3 ( )

2: The product (-1) X 225 = ……..

A: -225 B: 225 C: 224 D: 0 ( )

3: The complement of angle 45˚ =……..…

A: 90˚ B: 180˚ C: 45˚ D: 100˚ ( )

4: The reciprocal of 3/5 = ……

A: 5/3 B: 1 C: 0 D: -3/5 ( )

5: The mode of the data 1,1,2,4,3,2,1,2,2,4 is……..

A: 1 B: 2 C: 3 D: 4 ( )

SECTION – B 2M X 6 = 12M

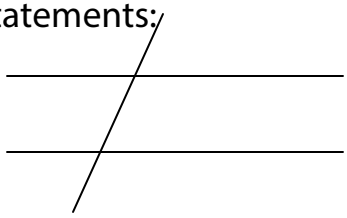
6: Write down a pair of integers whose:

i: Sum is - 7

ii: Difference is -10

7: State the property that is used in each of the following statements:

i: If a ll b, then 1 = 5 ii: If 4 = 6, then a ll b



8: Find:- i) ½ of 24

ii) 2/3 of 18

9: Find:- i) 1.3 X 10

ii) 153.7 X100

10: Find the mean of first five whole numbers.

11: Find the median of the data:

13, 16, 12, 14, 19, 12, 14, 13, 14

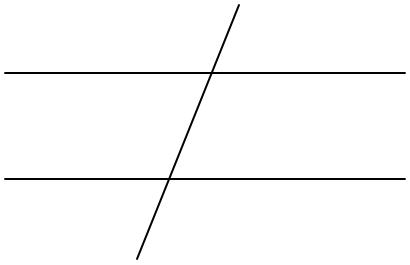
SECTION – C

3M X 5 = 15M

12: Find the product using suitable identity:

26 X (-48) + (-48) X (-36)

13:In the given figure, decide whether line 'l' is parallel to line 'm'.

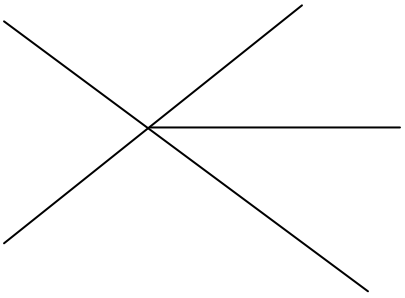


14: In the adjoining figure:

i: Is 1 adjoining to 2 ?

ii: Do COE and EOD from a linear pair ?

iii: Is 1 vertically opposite to 4 ?



15: Find: i) 0.35 ÷ 5

ii) 52.5 ÷ 10

iii) 7 ÷ 3.5

16: The marks (out of 100) obtained by a group of 10 students in a science test are 85, 76, 90, 85, 39, 48, 56, 95, 81 and 75. Find the:

i: Highest and the lowest marks obtained by the students.

ii: Range of the marks obtained.

SECTION – D

4M X 2 = 8M

17: Verify the following:

$$18 \times [7 + (-3)] = 18 \times 7 + [18 \times (-3)]$$

18: Solve: $7/10 + 2/5 + 3/2$