GRADE: VII   **MARKS: 50**
SUBJECT: MATHS   **TIME: 2 Hrs.**

Section A

This section comprises of multiple-choice question (MCQS)   **(1 mark each)**

1) 2 subtracted from 7 gives _____
   a) -9   b) 5   c)-5   d)9

2) Which of the following number is to the right of -3 on number line?
   a) -4   b)-2   c)-5   d)-6

3) Sum of two negative integer is always?
   a) positive   b) negative   c) 0   c)1

4) sum of -30 and -12 is
   a) 42   b) -18   c) -42   d) 18

5) Which of the following fraction has numerator 5?
   a) $\frac{2}{5}$ b) $\frac{5}{7}$ c)$1\frac{5}{7}$ d) $7\frac{1}{5}$

6) What is the value of $\frac{2}{7}+\frac{3}{7}$?
   a) $\frac{5}{14}$ b) $\frac{5}{7}$ c) $\frac{6}{7}$ d) $\frac{35}{14}$

7) The value of $\frac{1}{2}$ of 24 is _____
   a) 12   b) $\frac{1}{12}$ c) 48   d) $\frac{1}{48}$

8)If two lines intersect at a point, then the vertically opposite angles are always….
   a) equal   b) unequal   c) supplementary   d) complementary

9) If the angles are supplementary then the sum of their measures are _____
   a) 90˚   b) 180˚   c) 360˚   d)45˚

10) What is the measure of the complement of 45?
    a)135˚   b)25˚   c) 35˚   d) 45˚

11) Which of the following is smaller?
    a) 2.031   b) 2.301   c) 0.2301   d) 23.01

12) The value of 0.78 ÷ 100 is _____
    a) 7800   b)0.0078   c) 0.78   d) 7.8

13) A line that intersects two or more lines at distinct points is called _____
    a) Parallel   b) Transversal   c) Intersecting   d) none of these

14) Two fractions are said to be reciprocal of each other if their product is _____
    a) 0   b) 2   c) 1   d) -1

15) 12.356 ×100=?
    a) 123.56   b) 12356.0   c) 1235.6   d) 12.356

16) Identify which of the following pair of angles are complementary?
    a) 63˚, 27˚   b) 45˚, 45˚   c) 130˚, 50˚   d) a and b both

17) The value of 3.04+2.13-0.17 = _____
    a) 7   b) 0.5   c) 5   d) 50

18) The value of (-35) ×2+(-35) ×8 is _____
    a) -350   b) -70   c) -280   d) 350

19) The sum of two integers is 24. If one of them is -19, then other is _____
    a) 43   b) -43   c) 5   d) -5

20) Which pair of number does not have a product equal to 48?
    a) -6, -8   b) -4, -12   c) -1,48   d) 16,3

Section B

This section comprises with very short answer type questions.   **(2 marks each)**

21) Find
   a) $(-55) \times 15$
   b) $(-32) \times (-100)$

22). Multiply $4 \times 6\frac{1}{3}$ and express as a mixed fraction

23). Find $5\frac{1}{6} \div \frac{9}{2}$

24). Evaluate $26 \times (-48) + (-48) \times (-36)$ using suitable property
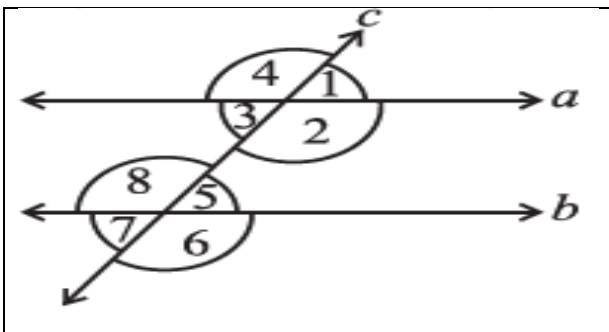
Section C

This section comprises of short answer type questions.   **(3 marks each)**

25) Find supplement of each of the angle
   a) 71°   B) 120°   c) 81°

26) In the following figure identify

i) The pair of corresponding angles
ii) The pair of alternate interior angles
iii) The vertically opposite angle

27) Verify that $a \div (b + c) \neq (a \div b) + (a \div c)$ if a=12, b=-4 and c=2

Section D

This section comprises of long answer type questions.   **(5 mark each)**

28) Find out between $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$ which is greater

29) An elevator descends into a mine shaft at the rate of 5 m/minute. If the decent starts from 15 m above the ground level, how long will it take to reach -350m?

Section E

This section comprises with case study type questions.   **(3 marks each)**

30) Mahesh and Priya went for outing. They bring 5 liters of water along with them. Mahesh consumed $\frac{2}{5}$ of the water. Priya consumed the remaining water.
i) How much water did Mahesh drink?
ii) What fraction of the total quantity of water did Priya drink?