Class : VII   Time: 1Hr
Subject :MATHEMATICS   **Max Marks : 40**

SECTION –I (10X1=10)

1. The sum of two Integers is also an Integer. What is the property of Integer?

2. Find the mode 2,6,5,3,0,3,4,3,2,4,5,2,4.

3. Write down a pair of Integers
   i) sum is -7
   ii) difference is -10

4. A coin is flipped to decide which team starts the game. What is the Probability that your team will start?

5. A cricketer scores the following sum in eight innings: 58, 76, 40, 35, 46, 45, 0, 100. Find the mean score.

6. What is the multiplicative identity of Integers?

7. Arrange the following Integers in Ascending order: -20,13,4,0,-5,+5.

8. The marks obtained by a group of students in a science test are 85,76,90,85,39, 48,56,95,81,and75. find the range of the marks obtained.

9. Find $30 \times (-23) + 30 \times 14 = $?

10. The scores in mathematics test of 15 students as follows: 19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20. Find the median.

SECTION –II (2X5=10)

1. Verify $(-30) \times [13 + (-3)] = $
   $[(-30 \times 13)] + [(-30) \times (-3)]$.

2. Find following products
   a) $(-12) \times (-11) \times (10)$
   b) $(-3) \times (-6) \times (-2) \times (-1)$

3. Evaluate each of the following
   a) $13 \div [(-2) + 1]$
   b) $[(-6) + 5] \div [(-2) + 1]$

4. Find the mean of the first five Whole numbers?

5. Find the mode & median of the data 13, 16, 12, 14, 19, 12, 14, 13, 14.

SECTION –III (4X5=20)

1. a) Evaluate (-31) ÷ [(-30) + (-1)]

   b) the temperature at 12 noon was 10°c above zero. If it decreases at the rate of 2°c per hour until midnight, at what time would the temperature be 8°c below zero?
   What would be the temperature at mid-night?

2. a) In a class test containing 15 questions , 4marks are given for every correct answer and (-2) marks are given for every incorrect answer

i) Gurpreet attempts all questions but only 9 of her a answers are correct. What is her total score?
ii) one of her friends gets only 5 answers correct. What will be her score?

b) Following are the weights (on kg) of 8 students of a class 48.5, 50, 44.5, 50.5, 45, 51, 43.
   a) Find the man weight.
   b) What will be the man weight of a
      student, whose weight is 62kg,
      is also included?

3. A boy has j-350 in his bank account. He deposits j-40 everyday for 10 days. What will be the amount in his account at the end of 10 days?

4. a) Find i) (-21)x (-30)
          ii) (-18) x 0 x (-16)
   b) verify (-15)x [(-8) + (-6)] =
      [(-15) x (-8)] + [(-15) x (-6)].

5. In a quiz positive marks are given for correct answer and negative marks are given for incorrect answer. If Jack's scores in five successive rounds were 65, -10, -15, 20, 30. What was his total score at the end.