Class- 7   **Subject- MATHEMATICS**

CHAPTER – 3 Modules- 2/3, WORK SHEET-1

Q1.Fill in the blanks:

(a) The middle value of the data arranged in increasing or decreasing order is called---------.

(b) The value of the observation having the highest frequency is called ---------.

(c) The sum of the values of data divided by the total no of observations is called------------.

(d) The difference between the highest and lowest value is called ---------.

(e) --------------------- is one of the measure of central tendencies is very much useful to shoe factories.

Q2.What is the range of 101,102,103,104.105?

Q3.The weight (in Kg) of 15 students of your class is:

    38,42,35,37,45,50,32,43,43,40,36,38,43,38,47.

 (i)Find the mode and median of this data.

  (b)Is there are more than one mode?

Q4. (i) Find the mode and median of the data:

    12,14,15,18,14,19,14,13,9.

     (ii) Are the median and mode same for this data?

Q5.Write true or false.

 (i) The median of a set of data is always the observation that occurs the most often.

 (ii) The arithmetic mean is smaller than each observation.

 (iii)The mode is the most occurring observation in a set of data.

 (iv) Median is always one of the given observations.

 (v) Mode is always one of the given data.

 (vi) Range represents the spread of the data.

 (vii)Median is always one of the given observations, if the number of observations is odd.

Q6. Find the mode and median of the data:

 13,16,12,14,19,12,14,13,14,10.

 Q7.Find the value of x, so that mode of the data will be 5.

    1,2,5,4,2,5,3,x,4,1,3

Q8.The mean of a group of data is 60.If the data are

  85, 62, 36, 48, 72, x, 75 and 39.Find the value of x.

Q9. Find the median of the data:

35, 37, 34,41,35,38,35,40,42 and 37.

Q10. Find the median of the data: 15, 20, 35,14,22,18 and 21.