

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

## Multiple Choice Questions

Write the correct answer for each of the following:

1. While computing mean of a grouped data, we assume that the frequencies are
- (a) centered at the lower limits of the classes                      (b) centered at the upper limits of the classes
- (c) centered at the class marks of the classes                      (d) evenly distributed over all the classes.

Sol. \_\_\_\_\_

2. The graphical representation of a cumulative frequency distribution is called
- (a) Bar graph                      (b) Histogram                      (c) Frequency polygon                      (d) Ogive

Sol. \_\_\_\_\_

3. Construction of a cumulative frequency table is useful in determining the
- (a) mean                      (b) median                      (c) mode                      (d) all of the above

Sol. \_\_\_\_\_

4. The class mark of the class 15.5–20.5 is
- (a) 15.5                      (b) 20.5                      (c) 18                      (d) 5

Sol. \_\_\_\_\_

5. In the formula  $\bar{x} = a + \frac{\sum f_i d_i}{\sum f_i}$  for finding the mean of a grouped data,  $d_i$ 's are deviations from a of
- (a) lower limits of the classes                      (b) upper limits of the classes
- (c) mid-points of the classes                      (d) frequencies of the class marks

Sol. \_\_\_\_\_

6. If  $x_i$ 's are the mid-points of the class intervals of a grouped data  $f_i$ 's are the corresponding frequencies and  $\bar{x}$  is the mean, then  $\sum (f_i x_i - \bar{x})$  is equal to
- (a) 0                      (b) -1                      (c) 1                      (d) 2

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