Mathematics

(Chapter – 13) (Statistics & Probability)(Exemplar Problems)
(Class – X)

Exercise 13.1

Choose the correct answer from the given four options:

Question 1:

In the formula $\overline{x} = a + \dfrac{\Sigma f_i d_i}{\Sigma f_i}$, for finding the mean of grouped data d_i's are deviation 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

Answer 1:

(C) mid-points of the classes

Solution:

We know that, $d_i = x_i - a$, where x_i are data and a is assumed mean.

i.e., d_i's are the deviation from a of mid-points of the classes.

Hence, the option (C) is correct.