

Class IX
Class Test
Topic: Statistics

Maximum Marks: 15

Time: 40 minutes

A. Choose the correct option: [$1 \times 2 = 2$]

1. In a grouped frequency distribution, three classes are as follows:

10.5-20.5, 20.5-30.5, 30.5-40.5

Then the class mark of the second class will be

- (a) 25 (b) 24.5 (c) 25.5 (d) 30

2. In the class intervals 30-40, 40-50, ... the number 40 is included in-

- (a) 30-40 (b) 40-50 (c) both the classes (d) none of the classes

B. The number of books in different subjects in a library is given below: [3]

Subject	Physics	Chemistry	Mathematics	Biology	History
No. of books	120	200	500	100	250

Plot a bar graph to represent the data.

C. Represent the following data by means of histogram. [5]

Weekly wages (in Rupees)	100- 150	150- 200	200- 250	250- 300	300- 400	400- 600	600- 800
No. of workers	10	19	27	15	24	24	16

D. Following table gives the distribution of students of section A and section C of class IX according to the marks obtained by them in Mathematics. Represent the marks of the students of both sections on the same graph by two frequency polygons. [5]

Marks Obtained	<u>Section A</u> Number of students	<u>Section C</u> Number of students
0-15	5	3
15-30	12	16
30-45	28	25
45-60	30	27
60-75	35	40
75-90	13	10