2019

B. Sc.

1st Semester Examination

STATISTICS (General)

Paper - DSC 1A-P

(Practical)
(Descriptive statistics)

Full Marks : 20   Time : 3 Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

1. The following data show the classification of all the forms in a district by form size.

Form size	No. of forms
0 - 40	394
40 - 80	461
80 - 120	391
120- 160	334
160 - 200	169

[Turn Over]

(i) Draw the histogram to represent the above frequency distributions.   2

(ii) Calculate the cumulative frequencies of both types and hence represent then by a suitabie diagram.   5

(iii) Calculate the arithmetic mean and standard deviation of th above frequency distribution.   3

2. The following is the distribution of sales (in thousand Rs.) of some shops in a city.   5

Sales (1000 Rs.) :   0-10 10-20 20-30 30-40 Above 40

Number ofshops :   14   –   27   –   15

If the median and mode of sales are Rs. 25000 and Rs. 24000 rspectively, find the missing frequencies.

3. Laboratory Notebook   2

4. Viva voce.   3