

(Please write your Exam Roll No.)

Exam Roll No. 0114188817

END TERM EXAMINATION

THIRD SEMESTER [B.COM] NOVEMBER-DECEMBER 2018

Paper Code: BCOM 209

Subject: Business Statistics

Time : 3 Hours

Maximum Marks :75

Note: Attempt any five questions. All question carry equal marks.

- Q1. The marks obtained in statistics by 100 students of a University are given below:

Marks	No. of Students
0-5	4
5-10	6
10-15	10
15-20	10
20-25	25
25-30	22
30-35	18
35-40	5

Draw a cumulative frequency curve and find out Median and Quartiles from it.

- Q2. From the following data of weight of 122 persons determine the modal weight:

Weight (in lbs)	No. of persons
100-110	4
110-120	6
120-130	20
130-140	32
140-150	33
150-160	17
160-170	8
170-180	2

- Q3. a) The mean of observations is 4.4 and the variance is 8.24. If the three of the five observations are 1,2 and 6, find the other two.
b) Particulars regarding and income of two village are given below:

	Village X	Village Y
Number of people	600	500
Average income (in Rs.)	175	186
Variance of income (in Rs.)	100	81

- i) In which village is the variation in income greater?
ii) What is the combined standard deviation of the village X and village Y put together?

P.T.O.