B.Com.(CS) DEGREE EXAMINATION,ODD SEMESTER 2020
II Year III Semester
STATISTICS I

Max.marks :25

Answer any **FIVE** questions $(5 \times 5 = 25)$ Marks

1. Distinguish between Primary and Secondary data.

2. Represent the following data draw a pie diagram.

Items	Expenditure (in Rs.)
Food	87
Clothing	24
Recreation	11
Education	13
Rent	25
Miscellaneous	20

3. Calculate Harmonic mean from the following data.

X	6	7	8	9	10	11
F	4	6	9	5	2	8

4. Calculate Mean deviation about mean from the following data.

Marks	10	15	20	30	40	50
Frequency	8	12	15	10	3	2

5. Calculate Standard Deviation from the following data.

MARKS	10	20	30	40	50	60
F	8	12	20	10	7	3

6. There are two branches of a company, employing 100 and 80 persons respectively. If the arithmetic mean of the monthly salaries paid by the two companies are Rs. 275 and Rs. 225 respectively. Find the arithmetic mean of the salaries of the employees of the companies as a whole.

7. In a frequency distribution the coefficient of skewness based on quartiles is 0.6.If the sum of the upper and lower quartiles is100 and the median is 38, find the value of the upper quartiles.