

Faculty of Business Management
BBA II-Year, CBCS-III Semester Backlog Examinations--Sep/Oct, 2020
PAPER: BUSINESS STATISTICS

Time: 2 Hours

Max Marks: 80

I. Answer any FIVE of the following questions (5x16=80 Marks)

1. What is cumulative frequency curve? Describe the procedure with a hypothetical example.
2. Discuss the various methods of collecting primary data.
3. For the data given below, find the missing frequency if the arithmetic mean is Rs.33. Also find the median of the series:

Loss per shop (Rs.)	0-10	10-20	20-30	30-40	40-50	50-60
No. of shops	10	15	30	?	25	20

4. Discuss the strong and weak points of various measures of central tendency.

5. Calculate the mean and standard deviation from the following data:

Marks	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
No. of students	5	12	15	20	18	10	6	4

6. Define Pearson's measure of skewness. What is the difference between relative measure and the absolute measure of skewness.
7. Describe any three methods of sampling.
8. Write short notes on Krushal Wallis test and Mann Whitney U test
9. Calculate Karl Pearson co-efficient of correlation from the following data, using 20 as working mean for price and 70 as working mean for demand.

Price	14	16	17	18	19	20	21	22	23
Demand	84	78	70	75	66	67	62	58	60

10. State the differences between correlation and regression
