

B.B.A. Degree Examinations - Even Semester 2021
II Year IV Semester
Business Statistics - I

Max Marks: 25

Answer any Five questions (5 * 5 = 25)

1. What is meant by Statistics. State any three primary importances of Statistics.
2. Write a note on Sources of Data Collection.
3. In the following frequency distribution the frequency of class interval 40-50 is not known. Find it, if the arithmetic mean of the distribution is 52.

Wage	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Number of Workers	5	3	4	?	2	6	13

4. Calculate Standard Deviation and Variance from the given data.

75 120 12 50 70.5 140.5

5. In a recreation competition 10 participants were accorded following marks by two judges X and Y.

X	15	17	14	13	11	12	16	18	10	9
Y	15	12	4	6	7	9	3	10	2	5

Calculate Coefficient of rank correlation.

6. From the following data, find the likely Sales when Advertisement expenditure is Rs.15lakhs.

	Advertisement Expenditure (Rs. Lakhs)	Sales (Rs. Lakhs)
Mean	10	90
Standard Deviation	3	12
Coefficient of Correlation	+0.8	

7. From the marks secured by 120 students of Section A and 120 in Section B of a class, the following measures are obtained.
Section A : Mean=46.83; Standard Deviation = 14.8; Mode = 51.6
Section B : Mean=47.83; Standard Deviation = 14.8; Mode = 47.07
Determine which distribution of marks is most skewed.