

Loreto College
BA/BSc Semester-1 Practical Examination, 2022
Statistics General
Descriptive Statistics
STSG-GE-1(Pr)

Time: $2\frac{1}{2}$ hrs

Full Marks: 30

1. You are given the following incomplete frequency distribution:

Monthly income(in Rs)	Frequency
0-75	15
75-150	-
150-225	250
225-300	-
300-375	10
375-450	5

It is known that the total frequency is 705, and the median is 191.25. Find the two missing frequencies and calculate the mode. Also calculate skewness of the distribution and comment. [12]

2. The scores of two batsmen, A and B, in ten innings during a certain season are given below:

A	32	28	47	63	71	39	10	60	96	14
B	19	31	48	53	67	90	10	62	40	80

Find the coefficient of variation of the scores of two batsmen and find out which of them is more consistent in scoring. [10]

3. Six boys and six girls are ranked below on the basis of their performance in a Statistics test. Do you find any association between sex and performance? [8]

Sex	Rank
B	2
B	2
G	2
B	4
B	5

G	6.5
G	6.5
G	8
B	9.5
G	11
B	9.5
G	12