

Reg. No. :

Name :

Second Semester B.B.A. L.L.B (Five Year Integrated)

Degree Examination, January 2023

Paper III : BUSINESS STATISTICS

(2013 Admission onwards)

Time : 3 Hours

Max. Marks : 80

(A) Explain any five of the following in more than 60 words which carries 2 marks each.

1. What is secondary data?
2. What is classification of data?
3. What is pictogram?
4. What is frequency curve?
5. What is mode?
6. What is dispersion?
7. What do you mean by rank correlation?
8. Define sample event.

(5 × 2 = 10 Marks)

P.T.O.

(B) Answer any **four** questions in not more than **120** words which carries **4 marks** each.

9. What is weighted mean?
10. What are the uses of mean deviation?
11. What are uncertain events?
12. What is random experiment?
13. What is symmetric distribution?
14. Write about Lorenz Curve.

(4 × 4 = 16 Marks)

(C) Answer any **four** questions in not more than **150** words. Which carries **6 marks** each.

15. What are the merits of mode?
16. What are the uses of Measures of Dispersion?
17. What are positive and negative skewness?
18. What are mutually Exclusive events?
19. Find the Harmonic mean of the following values:
X: 2,3,4,5
20. Find the Median and Quartiles from the following values:
33,37,30,47,60,87,15,30,45,43,44

(4 × 6 = 24 Marks)

(D) Answer any **three** questions which carry **10 marks** each.

21. Calculate the coefficient of correlation between x and y series from the following data :

	X series	Y series
No. of pairs of observations	15	15
Standard Deviation	3.01	3.03

22. A committee is to be constituted by selecting two people at random from a group consisting of 3 Economists and 4 Statisticians. Find the probability that the committee will consists of

(i) 2 Economists

(ii) 2 Statisticians

(iii) 1 Economists and Statistician.

23. Distinguish between Mean Deviation and Standard Deviation.

24. Explain the features of statistics.

(3 × 10 = 30 Marks)

