Roll No. ....

E–1913

Bachelor of Business Administration

(Second Semester)

EXAMINATION, May-June, 2021

BUSINESS STATISTICS

(108)

Time : Three Hours] [*Maximum Marks : 90*

[*Minimum Pass Marks : 32*

Note : Attempt all the *five* questions. *One* question from each Unit is compulsory. All questions carry equal marks.

Unit—I

1. "There is hardly any field which does not fall within the scope of statistics." Comment.

Or

"Statistical methods are most dangerous tools in the hands of inexperts." Elucidate.

P. T. O.

Unit—II

2. Find mean of the following data :

Income (More than) (₹)	No. of Persons
200	200
300	184
400	150
500	118
600	96
700	73
800	55
900	27
1000	15

Or

Calculate median from the following data :

Variable (X)	Frequencies (*f*)
2	5
4	8
6	13
8	15
10	16
12	11
14	6
16	4

Unit—III

3. Calculate standard deviation from the following data :

Marks	No. of Students
12	6
14	12
16	18
18	26
20	16
22	10
24	8

Or

Describe dispersion and skewness. Write down the difference between the two.

Unit—IV

4. Spell out Karl Pearson's co-efficient of correlation. What are its limitations ?

Or

From the following data compute the co-efficient of correlation between X and Y :

	X Series	Y Series
No. of items	15	15
Arithmetic Mean	25	18
Square of deviations from mean	136	138

P. T. O.

Unit—V

5. Fit a straight line from the following data :

Year	Profit
1995	2
1996	5
1997	7
1998	7
1999	5
2000	2

Or

"Index numbers are economic parameters." Discuss the statement. What precautions will you take while constructing index number ?

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