

Roll No.

Paper Code – F010102T-A

BBA 1st Year (Semester-I) EXAMINATION, 2023-24

(NEP)

(A) - BUSINESS STATISTICS

Time : One Hours]

[Maximum Marks : 37 $\frac{1}{2}$

Note- This paper consists of three Section A, B and C.

Carefully read the instructions of each Section in solving the question paper. Candidates have to write their answers in the given answer-copy only. No separate answer-copy (B Copy) will be provided.

Section-A

(Short Answer Type Questions)

Note- This section contains seven questions from which

Two questions is to be answered as short answer type question. Each question carries **6.25** marks.

1. (A) Briefly explain probability sampling methods.
(B) Write the properties of normal distribution.
(C) Discuss the types of correlation.
(D) What is coefficient of variation ?
(E) What is the necessity of classification ?

(F) Differentiate between continuous and discrete series ?

(G) Given the following data, calculate the expected value of Y when X is 12 :

	X	Y
Average	7.6	3.6
Standard Deviation	14.8	2.5
Coefficient of correlation =	+ 0.99	

Section-B

(Long Answer Type Questions)

Note- This section contains two questions from which **one** question is to be answered as long question. Each question carries **12.5** marks.

2. What is Statistics ? What are its Characteristics ? Also, discuss the importance of statistics in the management of a business enterprise.

(Or)

3. Find the Karl Pearson's coefficient of correlation from the following data :

X	11	10	9	8	7	6	5
Y	20	18	12	8	10	5	4

Section-C

(Long Answer Type Questions)

Note- This section contains two questions from which **one** question is to be answered as long question. Each question carries **12.5** marks.

4. What do you understand by dispersion ? Write short notes on measures of dispersion.

(Or)

5. Find out mean from the following data :

Profit per Shop	0-10	10-20	20-30	30-40	40-50	50-60
Number of Shop	12	18	27	20	17	6

Compute mean from the following methods :

(i) Direct Method

(ii) Step Deviation Method

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