

X	35	25	29	31	27	24	33	36
Y	23	27	26	21	24	20	29	30

Section-C

Long Answer Type Questions

Note : Attempt **any two** questions from the following. Each question carries **12.5** marks. $[2 \times 12.5 = 25]$

- What is Index Number? What are the methods to calculate the Index Number?
- Prepare a histogram, frequency polygon and frequency curve from the following data :

0-10	10-20	20-30	30-40	40-60
13	17	15	13	10

- Determine the median value for the following data by using less than curve and greater than curve :

100-200	200-300	300-400	400-500	500-600	600-700
12	18	30	42	60	78

- Find the missing frequency for the following data by using A.M. = 50, N = 120

0-20	20-40	40-60	60-80	80-100
17	F ₁	32	F ₂	19

----- X -----

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(4)

Roll No. :

Total No. of Questions : 9] [Total No. of Printed Pages : 4

F010102T(A)

BBA (Sem.-I) (NEP) Examination, 2024-25

(Major)

BUSINESS STATISTICS

Time : 1½ Hours]

[Maximum Marks : 75

Note : 1. Attempt questions from **all** sections as directed.

2. The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation. Simple calculator is allowed.

3. "B" copy will not be provided.

Section-A

(Short Answer Type Questions)

Note : Attempt **any four** questions. Each question carries **6.25** marks. $[4 \times 6.25 = 25]$

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(1)

Turn Over

1. (a) What is Statistics? Discuss its limitations.
- (b) Differentiate between correlation and regression.
- (c) What is Hypothesis? Discuss Type I and Type II error.
- (d) Briefly discuss Kurtosis.
- (e) Distinguish between mean deviation and standard deviation.
- (f) Explain the conditional probability.
- (g) Calculate the median from the following data:

Price	60	65	62	63	66	61	64
Frequency	25	105	400	375	101	140	22

- (h) What is Tabulation? What are the steps involved in Tabulation?
- (i) What is Scheduling? Write its advantages and disadvantages.

Section-B

(Long Answer Type Questions)

Note : Attempt any two questions from the following. Each question carries 12.5 marks. $[2 \times 12.5 = 25]$

2. From the following data, calculate :

- (a) Mean
- (b) Median
- (c) Mode
- (d) Variance
- (e) Standard Deviation

Marks	No. Of Students
0 - 10	5
10 - 20	12
20 - 30	30
30 - 40	45
40 - 50	50
50 - 60	37
60 - 70	21

3. Differentiate between mean, median and mode. Discuss the steps involved in calculation of mean for individual, discrete and continuous series data.
4. Discuss probability and non-probability sampling methods in detail.
5. By using the following data, find out the two lines of regression :