B3COM1T4A – O – 25 – 4201

THIRD SEMESTER B.COM. (REVISED NEP) DEGREE
EXAMINATION, JANUARY 2026
COMMERCE (DSE – 4A)
Business Statistics – I

Time : 3 Hours] [Max. Marks : 80

Instructions : 1) ***Use*** *of simple calculator is* ***allowed.***
2) *Answer* ***all*** *the questions as per* ***internal*** *choice.*

SECTION – A

Answer the following questions. **(2×10=20)**

1. Define statistics.
2. What is statistical investigation ?
3. State any two methods of primary data collection.
4. What is tabulation ?
5. Write any two sources of secondary data.
6. What is exclusive class interval ? Give example.
7. Define geometric mean.
8. Find mean ($\overline{X}$) : 10, 15, 17, 20, 8.
9. If median is 40 and arithmetic mean is 35, find mode.
10. If $\sigma = 4$ and $\overline{X} = 18$, find Coefficient of Variation (CV).

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SECTION – B

Answer **any three** of the following. **(3×5=15)**

11. Distinguish between primary and secondary data.

12. Draft a blank table showing the different parts of table.

13. Construct a frequency distribution table with class interval 0 – 10, 10 – 20 and so on.

10, 12, 15, 49, 18, 25, 9, 6, 3, 1
3, 6, 31, 36, 38, 41, 43, 5, 1, 3
8, 10, 21, 36, 39, 46, 12, 15, 17, 19
45, 43, 31, 28, 35, 14, 16, 36, 15, 12
0, 4, 8, 12, 14, 18, 20, 22, 30, 32

14. Average wages of the firms are given below.
Represent this by simple bar diagram.

Firm	A	B	C	D	E	F
Average wage	340	590	540	300	190	150

15. The mean height of 25 male workers in a factory is 61 cm and the mean height of 35 female workers in the same factory is 58 cm. Find the combined mean height of 60 workers in the factory.

SECTION – C

Answer **any three** of the following questions. **(3×15=45)**

16. A) Explain the types of classification.
B) State the essentials of a good statistical table.

17. Write short notes on the following :
A) Importance of statistics.
B) Primary data.
C) Measures of central tendency.

18. Find mean, median and mode from the following data :

Class interval :	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency :	4	36	60	90	70	40

19. Compute Quartile Deviation (Q.D.) and coefficient of quartile deviation from the following.

Marks :	0 – 5	5 – 10	10 – 15	15 – 20	20 – 25	25 – 30
No. of students :	3	9	10	8	3	2

20. Following data shows the market value of shares of Company – A and Company – B in 5 days.

Company A share price	40	50	35	42	33
Company B share price	36	42	40	32	30

Answer the following questions :

A) Which company's shares are better ?

B) Which company's shares are more consistent ?