



K25U 3420

Reg. No. :

Name :

**First Semester B.Com./B.Com. Logistics Degree (CBCSS – OBE –
Supplementary) Examination, November 2025**

(2019 to 2023 Admissions)

GENERAL AWARENESS COURSE

1A11COM : Business Statistics and Basic Numerical Skills

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **any six** questions. **Each** question carries **1** mark.

1. State the limitations of statistics.
2. What do you mean by classification of data ?
3. Define skewness.
4. What is quantity index number ?
5. State the meaning of zero matrix.
6. From the following find the determinant of matrix X

$$X = \begin{vmatrix} 2 & 3 & 1 \\ -1 & 2 & 3 \\ 3 & 2 & -1 \end{vmatrix}$$

7. Write in words the following set notations

i) $A \not\subset B$

ii) $X \subseteq Y$

8. Write down all the subsets of the set $A = \{a, b, c\}$.

(6×1=6)

SECTION – B

Answer **any six** questions. **Each** question carries **3** marks.

9. State the requisites of a good table.
10. Discuss the various uses of median.
11. From the following find mean deviation.

Classes	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	15	19	14	20	18	14

P.T.O.



12. What are the uses of index numbers ?
13. Explain the methods of constructing index numbers.
14. Calculate index number using :
 - a) Laspeyre's and
 - b) Paasche's methods

Commodity	2023		2024	
	Price	Quantity	Price	Quantity
A	20	8	40	6
B	50	10	60	5
C	40	15	50	15
D	20	20	20	25

15. Find the adjoint of a matrix $A = \begin{bmatrix} 1 & -1 & 2 \\ 4 & 0 & 6 \\ 0 & 1 & -1 \end{bmatrix}$
16. Using the following sets, verify that $A \cup (B \cap C) = (A \cup B) \cap C$

$$A = \{1, 2, 3\}, B = \{2, 4, 6\}, C = \{3, 4, 5\}.$$

(6×3=18)

SECTION – C

Answer any two questions. Each question carries 8 marks.

17. From the following calculate :

- a) SD
- b) Coefficient of SD and
- c) Coefficient of variation

Marks	Number of students
1-3	40
3-5	30
5-7	20
7-9	10
Total	100

18. Solve the simultaneous equations $2x - 3y = 7$, $2x + y - z = 1$, $4y + 3z = -11$.
19. What is set theory ? Explain the basic set operations with examples. (2×8=16)