

FOUR YEARS B.A./B.Com./B.Sc./B.B.A./B.C.A./B.Voc. (Honours) (CBCS) DEGREE
EXAMINATION, MARCH/APRIL 2026

FOURTH SEMESTER

Multidisciplinary Course — Major

BASIC STATISTICS

(Regular & Supplementary)

Time : 2 Hours

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Max. Marks : 50

SECTION – A

Answer any FOUR of the following.

(Marks : 4×5 marks = 20 marks)

1. What is Tabulation?
2. Explain Histogram.
3. Explain Primary data.
4. Find the Harmonic Mean.
204, 157, 176, 121, 184, 111, 100, 194, 167.
5. What are the limitations of range.
6. Obtain median and mean to the following data.
121, 100, 145, 158, 96, 174, 122, 177, 129.
7. Write about Standard Deviation and its properties.
8. Explain correlation.

SECTION – B

Answer any THREE of the following.

(Marks : 3×10 marks = 30 marks)

9. Explain Histogram and Frequency polygon for the following data.

C.I.	0-5	5-10	10-15	15-20	20-25	25-30
F	7	11	25	38	16	8

10. Explain Types of frequency distribution. Download from www.snehajobs.com
11. Calculate Arithmetic mean from the following data.

C.I.	0-10	10-20	20-30	30-40	40-50	50-60	60-70
F	10	15	29	38	49	25	12

12. Calculate Median from the following data.

C.I.	0-10	10-20	20-30	30-40	40-50	50-60
F	9	18	36	22	15	4

13. Calculate Variance from the following data.

C.I.	0-10	10-20	20-30	30-40	40-50	50-60
F	3	11	21	30	19	8

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14. Find the correlation coefficient for the following data.

X	12	14	18	29	36	45
Y	5	19	22	28	39	56
