23BMD406

UG PROGRAM (4 YEARS HONORS) WITH SINGLE MAJOR
AT THE END OF FOURTH SEMESTER
MULTIDISCIPLINARY COURSES
BASIC STATISTICS
(COMMON FOR ALL MAJORS)
(w.e.f. Admitted Batch 2023-24)

Time: 2 Hours

Maximum: 50 marks

Section-A

Answer any Four Questions.

4 x 5 = 20

1. Explain Frequency Polygon.

2. Explain Classification and Tabulation of frequency distribution.

3. Explain Features of Measurers of Central Tendency.

4. Define Skewness based on central values.

5. Define Correlation and explain correlation coefficient.

6. Explain the relationship between QD and MD.

Section - B

Answer All questions.

3 x 10 = 30

7. a) Explain Primary and Secondary data.

(Or)

   b) Explain the diagrammatic representation of a statistical data. Give its merits and demerits.

8. a) Calculate Mean and Median for the following frequency distribution.

CI	0-8	8-16	16-24	24-32	32-40	40-48
f	8	7	16	24	15	7

(Or)

   b) Explain Empirical Relationship between mean, median and mode.

9. a) Find the semi quartile range and quartile coefficient of the following.

From-Size	0-40	41-80	81-120	121-160	161-200	201-240	241 and over
Frequency	394	461	391	334	169	113	148

(Or)

   b) Briefly Explain Measures of Dispersion.