



ADITYA DEGREE COLLEGES: AU REGION

IV SEMESTER - MID - I - EXAMINATIONS

Date: 11.02.25

Max. Marks: 50

Time: 2 Hours(3.00pm to 5.00pm)

Subject: BASIC STATISTICS

SECTION -A

I ANSWER ANY Four OF THE FOLLOWING

4X5=20M

1. Definition of statistics, importance of statistics.
2. Explain Secondary data.
3. Characteristics of good questionnaire.
4. Explain tabulation and advantages of tabulation.
5. Merits and demerits of Arithmetic mean
6. Define central tendency and types of averages.

SECTION - B

I. ANSWER THE FOLLOWING QUESTIONS

3X10 = 30 M

7. (a) Explain methods to collect Primary data

(OR)

- (b) Draw Histogram polygon and frequency curves

Class interval	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	8	12	18	22	19	17	10

8. (a) How many types of graphical representation of data.

(OR)

- (b) Prepare Frequency distribution table, Less than cumulative frequency and Greater than cumulative frequency lines if class interval of 6

7	5	4	11	25	24	26	21	21	28
1	11	10	20	9	28	22	9	23	24
25	18	24	18	25	5	7	1	30	19

9. (a) Calculate mean and median of the data

Class interval	10-20	20-30	30-40	40-50	50-60
Frequency	8	12	18	10	9

(OR)

- (b) Define Mean and Median and Merits and demerits of mean and Mode.