ADITYA DEGREE COLLEGES

ANDHRA PRADESH
IV –SEMESTER, MID-I - EXAMINATIONS FEB 2025
BSC – BASIC STATISTICS

Date : 15.02.2025
TIME: 2HRS   MAX MARKS: 50**M**

SECTION-A

I.WRITE ALL QUESTIONS.   **3x10=30M**

1. a) Write about collection of Data and its types.

Or

   b) Draw a pie diagram to the represent the following data average expenditure per month in rupees

ITEM	1998	2000
Food	644	945
Rent	420	525
Clothing	200	322
Medical	80	210
Other items	96	518
Total	1440	2520

2. a)Write about Tabulation & classification of Data & Types classification.

Or

   b) From the following data calculate arithmetic mean & median

X	0 – 10	10-20	20-30	30-40	40-50	50-60
F	3	7	8	12	6	4

3.(a) Write about Mode & Median and its Merits & Demerits

OR

   b) From the following data calculate mode & median

X	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
f	5	7	10	18	20	12	8	2

SECTION-B

II. WRITE ANY FOUR QUESTIONS   **4X5=20M.**

4. Explain about procedure to frequency distribution.

5. Write about scope of statistics.

6. Draw the simple bar diagram to represent the following figures deletions to manufacturing of machines.

Years	1994	1995	1996	1997	1998
Machines	1200	1700	1900	2800	2100

7. Write about arithmetic mean & its merits.

8. From the following Data find the median.

X	5	8	11	14	17	20	23
Y	2	8	12	20	10	6	3

9. Write about types of skewness.