ADITYA DEGREE COLLEGES
ANDHRA PRADESH
II SEMESTER - MID –1 EXAMINATIONS

Date: 07-03-2025 Subject : I BSC – STATISTICS (MINOR)   Max.Marks:60
Time : 2 Hrs

SECTION–A

I. **Answer any FIVE the questions:**   **5 x 4 = 20 M**

1. Define classification and explain various types of classification.
2. Define tabulation and explain parts of the table.
3. Explain histogram and also give an example.
4. Explain ogives
5. Define secondary data and write the sources of secondary data.
6. Draw frequency polygon to the data given below

CI	5-10	10-15	15-20	20-25	25-30
F	3	5	9	7	4

7. Write the various functions of statistics
8. Define questionnaire and write the criterion of good questionnaire.

SECTION–B

II. **Answer all the questions:**   **4 X 10 = 40 M**

9. (a) Describe briefly about the origin, importance, scope and limitations of statistics

(OR)

(b) Define Primary data, explain the various methods for collecting primary data and also Write their merits and demerits

10. (a) State the types of measurement scales. Briefly explain each one of them and give examples under each type

(OR)

(b) Discuss the usefulness of diagrammatic representation of data and mention the types of diagrams used.   The expenditure of a working class family is given below. Draw pie-diagram for the data.

Item	Food	Clothing	Housing	Transport	Fuel	Miscellaneous
Percentage of total expenditure	45	10	15	20	6	4

11. (a) Explain the various diagrammatical representations of the data

(OR)

(b) Explain frequency distribution and various types of frequency distribution

12. (a) Draw multiple bar and simple bar diagram to the following data

YEAR	IMPORTS		
	RICE	WHEAT	BARLEY
1991	3	2	4
1992	4	5	7
1993	5	3	4
1994	6	5	6
1995	4	7	3

(OR)

(b) Draw less than and more than ogives from the following data

Marks (more than)	0	10	20	30	40	50
No. of students	50	46	40	20	10	3