

S.NO: 22N1- UE

Course Code: EUA1

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

B.A (Economics) Degree Examination

I Semester –November– 2022

AC I – STATISTICS FOR ECONOMICS I

Time: 3 hours

Maximum Marks: 75

Section –A

(10X2=20)

Answer ALL the Questions

1. Define Statistics.
2. What do you mean by primary data?
3. Give the meaning of chronological classification of data.
4. What is class interval?
5. State the meaning of line diagram.
6. What are the types of ogive curves?
7. Define the term 'median'.
8. Find mode for the following distribution:
2, 5, 3, 7, 2, 3, 6, 9, 11, 15, 10.
9. What is inter-quartile range?
10. Find range of the following data:
15, 32, 7, 31, 55, 25, 18.

Section –B

(5X5=25)

Answer ALL the Questions

11. a) Explain functions of statistics.

(or)

b) List out the sources of secondary data.

12. a) Explain the objectives of classification of data.

(or)

b) List out the various kinds of tables.

13. a) Explain the difference between diagrams and graphs.

(or)

b) Draw pie chart for the following data:

Income Source	Agriculture	Agi. Wage	Industrial wage	Transportation	Miscellaneous
Income (in Rs.)	15,500	6300	10500	3000	4200

14. a) Explain the types of averages.

(or)

b) Compute the geometric mean for the following data:

Mark	0-10	10-20	20-30	30-40	40-50
No. of students	5	7	15	25	8

15. a) Describe the meaning of dispersion. Explain the different measures of it.

(or)

b) Calculate quartile deviation for the following data:

Wage (Rs.)	30-32	32-34	34-36	36-38	38-40	40-42	42-40
Workers	12	18	16	14	12	8	6

Section -C**(3 X 10 = 30)**Answer any **THREE** Questions

16. Describe the methods of collecting primary data.
17. Explain the parts and rules of tabulation.
18. Draw multiple bar diagram for the following annual expenditure data:
(in Rs.)

Household	Food	Clothing	Health	Education	Others
A	25,000	10,500	5,000	12,000	3,250
B	45,000	25,000	11,500	10,200	4,750
C	33,000	11,250	12,320	12,500	4,200

19. Find the mean, median and mode for the following data:

Weight	410-419	420-429	430-439	440-449	450-59	460-469	470-479
No. of Mangoes	14	20	42	54	45	18	7

20. Calculate mean and standard deviation:

X	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
f	20	26	44	60	101	109	84	66