23104822

QP CODE: 23104822

Reg No : .....

Name : .....

B.A DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.A Corporate Economics Model III

Core Course - EC1CRT27 - ELEMENTARY STATISTICS FOR ECONOMICS - I

2017 Admission Onwards

27C5A119

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. How is Statistics Misused?
2. Objectives of Classification.
3. Define Tabulation.
4. What are cartograms?
5. What are Cartograms?
6. Draw Ogive

marks:	0-10,	10-20,	20-30,	30-40,	40-50,	50-60,	60-70,	70-80
freq :	5,	8,	10,	12,	28,	20,	10,	7

7. What are the Merits of Median?
8. Define Mode.
9. Define Range.
10. Demerits of Deciles.
11. Define Pearsons coefficient of Skewness.

12. find Kurtosis by Karl pearsons method
    marks:10-20, 20-30, 30-40, 40-50, 50-60
    freq : 3, 7, 10, 20, 6

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the Charactestics of Statistics.

14. Draw a Bardiagram for the following data
    Year: 2003-04, 2005-06, 2007-08, 2009-10, 2011-12
    Profit: 120, 135, 140, 160, 179

15. Distinguish between perfect elastic and perfect inelastic demand.

16. Calculate the Weighted mean
    Size: 5, 10, 15, 20, 25, 30
    Weighted: 8, 4, 5, 10, 7, 6

17. Find the missing frequency from the following data,given that Mean= 16.
    Marks:0-5, 5-10, 10-15, 15-20, 20-25, 25-30, 30-35
    f: 10, 12, 16 ----, 14, 10, 8

18. Find Standard Deviation of 4, 8, 10, 12, 15, 9, 7, 7.

19. Find 90th Percentile
    C.I: 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80
    F: 15, 30, 53, 75, 100, 110, 115, 125

20. Find Karl Pearsons coefficient of Skewness
    12, 18, 35, 42, 50, 45, 20, 8

21. Distinguish between Skewness and Kurtosis.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Importance and Utility of Statistics.

23. Frequency distribution of 100 families are given below,and mean of the given distribution is 50.

C.I:	0-20,	20-40,	40-60,	60-80,	80-100
F:	14,	---,	27,	--------,	15

24. Calculate Mean Deviation and its coefficient

C.I:	0-10,	10-20,	20-30,	30-40,	40-50,	50-60,	60-70,	70-80
F:	18,	16,	15,	12,	10,	5,	2,	2

25. Calculate Bowleys coefficient of Skewness

C.I:	10-20,	20-30,	30-40,	40-50,	50-60
F:	18,	20,	30,	22,	10

(2×15=30)