



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 Characteristics 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 Bowley's coefficient of Skewness

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

F: 18, 20, 30, 22, 10

(2×15=30)

