



Reg No:.....

Name :.....

K24FY 1428 (B)

**First Semester FYUGP Commerce Examination**  
**NOVEMBER 2024 (2024 Admission onwards)**  
**KU1DSCCOM103 (BUSINESS STATISTICS)**  
(DATE OF EXAM: 4-12-2024)

Time : 120 min

Maximum Marks : 70

**Part A (Answer any 6 questions. Each carries 3 marks)**

1. State the meaning of distrust of Statistics 3
2. List the steps of Statistical investigation 3
3. Write a note on Non-Probability Sampling Methods 3
4. Describe Quantitative and Qualitative Classification 3
5. What is a table 3
6. State the differences between absolute measure and relative measure of dispersion 3
7. "Measures of central tendency are second order averages". Comment 3
8. From the following data, find standard deviation.  $N = 10$ ,  $X = 60$ ,  $X^2 = 1000$ . 3

**Part B (Answer any 4 questions. Each carries 6 marks)**

9. Critically evaluate Sampling Method 6
10. Explain any three methods of Probability Sampling Methods 6
11. Explain the various parts of a table 6
12. Explain the qualities of a good measure of dispersion. 6
13. Calculate the standard deviation from the following data related to the age of a group of workers. 6

Age	No. of Workers
20-25	170
25-30	110
30-35	80
35-40	45
40-45	40
45-50	30
50-55	25

14. Specify the differences between mean deviation and standard deviation. 6

**Part C (Answer any 2 question(s). Each carries 14 marks)**

15. The following table gives the frequency distribution of 325 shops, according to their average monthly sales in a certain year. Calculate the median and mode

Sales ('000s)	No. of Shops
Below 100	1
100 – 150	20
150 – 200	42
200 – 250	55
250 – 300	62
300 – 350	45
350 – 400	30
400 – 450	25
450 – 500	15
500 – 550	18
550 – 600	10
600 and above	2

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16. A. Find the missing frequencies in the following distribution. The median is known to be 50

Expenditure (Rs.)	No. of Families
0 – 20	14
20 – 40	?
40 – 60	27
60 – 80	?
80 – 100	15

- B. Given below is a distribution of marks. If 60% of students passed the test, find the minimum marks obtained by a passed candidate.

Marks	No. of Students
10 – 20	20
20 – 30	40
30 – 40	20
40 – 50	14
50 – 60	4
60 – 70	2

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17. Define Statistics. Briefly explain its characteristics and functions

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