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**PRESIDENCY UNIVERSITY**

**BENGALURU**

**SCHOOL OF COMMERCE**

**Summer Term End Term Examinations, August 2024**

**Instructions:**

1. *Read the all questions carefully and answer accordingly.*
2. *Question paper consists of three parts.*
3. *Scientific and Non Programable Calculators are Permitted.*
4. *Do not write any information on the question paper other than roll number.*

**Part A**

**Answer any FIVE Questions. (5 Q x 2 M = 10 M)**

1. Define Statistics. (C.O.No.1-5) [Bloom’s level]

2. State the meaning of variable. (C.O.No.1-5) [Bloom’s level]

3. State one characteristic of a good statistical average. (C.O.No.1-5) [Bloom’s level]

4. State the meaning of sampling. (C.O.No.1-5) [Bloom’s level]

5. Define the arithmetic mean. (C.O.No.1-5) [Bloom’s level]

6. Recall the meaning of correlation. (C.O.No.1-5) [Bloom’s level]

7. Describe time series data. (C.O.No.1-5) [Bloom’s level]

**Part B**

**Answer any FIVE Questions. (5 Q x 10 M = 50 M)**

8. Analyze quantitative and qualitative data. (C.O.No.4) [Analyze]

9. Identify different types of data tables. (C.O.No.3) [Apply]

10. Categorize the different types of sampling under probability and non-probability sampling. (C.O.No.4) [Analyze]

11. Contrast the different types of data classification (C.O.No.4) [Analyze]

12. Outline the concepts of median and quartile deviation. (C.O.No.2) [Understand]

13. Construct the concept of correlation and its types. Explain with examples how to interpret the direction and strength of correlation using Karl Pearson’s Correlation Coefficient. (C.O.No.3) [Apply]

14. Distinguish between the different types of correlation. (C.O.No.4) [Analyze]

**Part C**

**Answer any TWO Questions. (2 Q x 20 M = 40 M)**

15. Assess the different types of ratio and scale measurements. (C.O.No.5) [Evaluate]

16. Examine the characteristics of a good statistical average (C.O.No.4) [Analyze]

17. Inspect regression analysis and explain the differences between simple and multiple regression models. Provide real-world examples where each type of regression is applicable. (C.O.No.4) [Analyze]