PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF MANAGEMENT
MID TERM EXAMINATION - APR 2023

Semester : Semester II - 2022
Course Code : SOC2003
Course Name : Sem II - SOC2003 - Business Statistics
Program : BBA,BCH,BCM

Date : 17-APR-2023
Time : 9:30AM - 11AM
Max Marks : 50
Weightage : 25%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS   (5 X 2 = 10M)

1. Given a survey data on the preference of people for the five savings instruments, collated from 500 working people in Bangalore city; which among the following is the most suitable tool for presentation of this data
   a) Histogram   (CO1) [Knowledge]
   b) Bar diagram
   c) Ogives
   d) Frequency curve

2. What is the type of the statistical measurement scale applied, if,in a study of solvency of banks, indices constructed between 50 to 500 are used for comparison
   a) Nominal scale   (CO1) [Knowledge]
   b) Interval scale
   c) Ordinal scale
   d) Ratio scale

3. Which of the following type of statistical data captures the highest micro level dynamics
   a) Cross sectional data   (CO1) [Knowledge]
   b) Time series data
   c) Pooled data
   d) Panel data

4. The characteristic of the entity about which statistical data is collected is terms as
   a) Observation   (CO2) [Knowledge]
   b) Element
   c) Measurement
   d) Variable

5. Which of the following is a method of collecting primary data
   a) Focus group interview   (CO2) [Knowledge]
   b) Observation
   c) Content analysis
   d) All of them

PART B

ANSWER ALL THE QUESTIONS   **(2 X 10 = 20M)**

6. Discuss meaning, scope and importance of statistics as a subject
                 (CO1) [Comprehension]
7. Discuss in detail different methods of collecting primary data for statistical analysis
                 (CO1) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION   **(1 X 20 = 20M)**

8. Write a note on merits and demerits of Arithmetic mean and Harmonic Mean as measures of central tendency. Calculate the Arithmetic mean and Harmonic mean for the grouped frequency distribution given below.

Class Interval	100-150	150-200	200-250	250-300	300-350	350-400	400-450	450-500
Frequency	10	15	30	40	20	10	5	2

              (CO2) [Application]