

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF COMMERCE
MID TERM EXAMINATION - NOV 2023**

Semester : Semester I - 2023

Course Code : BSC2051

Course Name : Sem I - BSC2051 - Introduction to Statistics

Program : BSE

Date : 3-NOV 2023

Time : 9:30AM - 11:00AM

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. Which measure will you use to find the variation in inflation rate- arithmetic mean or standard deviation? State why.
(CO1) [Knowledge]
2. Define variable and constant with a suitable example.
(CO1) [Knowledge]
3. State the difference between numbers and data.
(CO1) [Knowledge]
4. What do you mean by arithmetic mean?
(CO2) [Knowledge]
5. State the difference between descriptive statistics and inferential statistics.
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. Calculate the arithmetic mean using direct method.
Income (Rs '000): 25 26 27 28 29 30
No. of families : 3 6 9 14 10 8
(CO1) [Comprehension]
7. Discuss the different types of data classification methods.
(CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. Calculate the second quartile (Q2)

Marks	No. of students
10-20	5
20-30	7
30-40	15
40-50	20
50-60	22
60-70	12
70-80	9
80-90	8
90-100	7

(CO2) [Application]