

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

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

**Semester :** Semester II - 2022

**Course Code :** BBB3003

**Course Name :** Sem II - BBB3003 - Essential Statistics for Business Analytics

**Program :** BCH

**Date :** 17-APR-2023

**Time :** 2PM - 3.30PM

**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. What is Quantitative Data?  
(CO1) [Knowledge]
2. Define below terms in a Frequency Distribution Table:
  1. Range
  2. Class
  3. Width(CO1) [Knowledge]
3. Find the mean of the following distribution:  
x 4-6 6-8 8-10 10-12 12-14  

f	2	10	10	7	8
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(CO2) [Knowledge]
4. Calculate Mean Deviation for the given data set. 2, 5, 9, 10, 15, 19  
(CO2) [Knowledge]
5. Find the coefficient of range for the given data. 5, 12, 19, 35, 40  
(CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(2 X 10 = 20M)**

6. Explain the below types of Frequency Distributions:

1. Normal Distribution
2. Uniform Distribution
3. Exponential Distribution

(CO1) [Comprehension]

7. What is skewness. Calculate the Pearson's Skewness Coefficient for given data: 2, 4, 6, 6, 8, 8, 8, 10, 10, 12, 14

(CO2) [Comprehension]

**PART C**

**ANSWER THE FOLLOWING QUESTION**

**(1 X 20 = 20M)**

8. What are the various ways to classify data types based on its characteristics?

(CO1) [Application]