Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 08-10-2025 **Time:** 02.00pm to 03.30pm

School: SOL	**Program:** B.Com. LLB	
Course Code: BCL2003	**Course Name:** Business Statistics	
Semester: III	**Max Marks**:50	**Weightage**:25%

CO - Levels	**CO1**	**CO2**
Marks	**26**	**24**

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2 marks. **5Q x 2M=10M**

1	Outline primary and secondary data.	**2 Marks**	**L1**	**CO1**
2	What is meant by measurement of a statistical variable.	**2 Marks**	**L1**	**CO1**
3	Recognize measures of dispersion.	**2 Marks**	**L1**	**CO2**
4	State the formula of geometric mean for individual series of statistical observations.	**2 Marks**	**L1**	**CO2**
5	Recall the cumulative frequency distributions.	**2 Marks**	**L1**	**CO1**

Part B

Answer ALL the Questions. Each question carries 10 marks. **4Q x 10M=40M**

6.	Discuss in detail about methods of primary data collection.	**10 Marks**	**L2**	**CO1**
	Or			
7.	Present the data given below in sub-divided bar diagram. **No. of students**	**10 Marks**	**L2**	**CO1**

	Cities	**LP**	**UP**	**HSS**	**University.**			
	Bangalore	500	800	400	350			
	Mysore	300	600	200	600			
	Mangalore	400	300	400	150			
	Belagavi	200	100	50	200			

8.	Present the inclusive classification given below in a histogram.						**10 Marks**	**L2**	**CO1**
	Class	**10-28**	**30-48**	**50-68**	**70-88**	**90-108**			
	Frequency	**5**	**10**	**15**	**20**	**5**			
	Or								
9.	Discuss in detail the types of classification of statistical data with special emphasis on qualitative and quantitative data.						**10 Marks**	**L2**	**CO1**

10.	Compute arithmetic mean, median and mode for the distribution given below						**10 Marks**	**L2**	**CO2**
	Class	**30-50**	**50-70**	**70-90**	**90-110**	**110-30**			
	Frequency	**10**	**15**	**20**	**30**	**5**			
	Or								
11.	Compute mean deviation about arithmetic mean and coefficient of mean deviation about mean of the data given below.						**10 Marks**	**L2**	**CO2**
	Ticket fare	100	300	500	700	1000			
	Frequency	20	15	40	10	5			

12.	Compute harmonic-mean and coefficient of range of the data given below.						**10 Marks**	**L2**	**CO2**
	Class	**10-20**	**20-30**	**30-40**	**40-50**	**50-60**			
	Frequency	**5**	**15**	**30**	**10**	**20**			
	Or								
13.	Compute range and standard deviation of the data given below.						**10 Marks**	**L2**	**CO2**
	Fare	150	300	400	500	700			
	No. of Passengers	15	40	10	20	8			