Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 08-10-2025 **Time:** 11.45am to 01.15pm

School: SOC	**Program:** B.Com. Business Analytics	
Course Code: CBS1017	**Course Name:** Business Statistics	
Semester: I	**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	Differentiate descriptive and inferential statistics.	**2 Marks**	**L1**	**CO1**
2	Identify primary and secondary data.	**2 Marks**	**L1**	**CO1**
3	Define the measures of dispersion.	**2 Marks**	**L1**	**CO2**
4	State the formula of geometric mean for individual series of observation.	**2 Marks**	**L1**	**CO2**
5	What is meant by frequency density.	**2 Marks**	**L1**	**CO1**

Part B

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

6. Present the data given below in percentage bar diagram.

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

10 Marks | **L2** | **CO1**

Or

7. Discuss in detail about characteristics of statistical data and methods of collecting primary data. **10 Marks** | **L2** | **CO1**

8. Calculate harmonic mean and median of the distribution given below

Class	50-100	100-150	150-200	200-250	250-300
Frequency	30	20	10	20	12

10 Marks | **L2** | **CO2**

Or

9. Compute mean deviation of the data given below.

Class	10-20	20-30	30-40	40-50	50-60
Frequency	15	5	20	30	15

10 Marks | **L2** | **CO2**

10. Present the data given below in pie diagram.

Flights	Air India	Spice Jet	Go Air	Indigo	Vistara
No. passengers	400	200	800	600	300

10 Marks | **L2** | **CO1**

Or

11. Discuss about classifications of qualitative and quantitative data. **10 Marks** | **L2** | **CO1**

12. Calculate arithmetic mean and mode of the distribution given below.

Class	100-200	200-300	300-400	400-500	500-600
Frequency	40	10	80	50	30

10 Marks | **L2** | **CO2**

Or

13. Calculate all the quartiles of the distribution given below.

Class	30-50	50-70	70-90	90-110	110-130
Frequency	20	30	40	15	10

10 Marks | **L2** | **CO2**