

Roll  
No.



**PRESIDENCY  
UNIVERSITY**

**BENGALURU**

**School of Commerce**

**Mid - Term Examinations - November 2024**

**Semester: III**

**Date: 06-11-2024**

**Course Code: BSE1021**

**Time: 11.45am to 01.15pm**

**Course Name: Basic Econometrics**

**Max Marks: 50**

**Program: BSc Economics**

**Weightage: 25%**

**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 2marks.**

**5Qx2M=10M**

- |   |  |         |   |                             |
|---|--|---------|---|-----------------------------|
| 1 | Differentiate between discrete and continuous variable.                              | 2 Marks | L | <b>C02<br/>(Understand)</b> |
| 2 | Contrast between cardinal and ordinal measurement.                                   | 2 Marks | L | <b>C02<br/>(Understand)</b> |
| 3 | Contrast between interval and ratio levels of measurement with appropriate examples. | 2 Marks | L | <b>C02<br/>(Understand)</b> |
| 4 | State the meaning of regression with an example.                                     | 2 Marks | L | <b>C01<br/>(Knowledge)</b>  |
| 5 | Infer why regression line is considered as the line of best fit.                     | 2 Marks | L | <b>C02<br/>(Understand)</b> |

**Part B**

**Answer ALL Questions. Each question carries 10 marks.**

**4QX10M=40M**

**6** Examine the nominal level of measurement. **10 Marks** **L2** **C03 (Apply)**

**Or**

**7** Elaborate on the difference between the different types of data: cross-sectional, time-series and panel data. **10 Marks** **L3** **C03 (Apply)**

**8** Determine the difference between correlation and regression with appropriate example. **10 Marks** **L2** **C03 (Apply)**

**Or**

**9** Determine the normal equations for –(i). Regression equation of Y on X and (ii). Regression equation of X on Y. **10 Marks** **L3** **C03 (Apply)**

**10** Appraise the assumptions of the class linear regression model (CLRM). **10 Marks** **L3** **C04 (Apply)**

**Or**

**11** Examine the method of Ordinary Least Squares (OLS). **10 Marks** **L3** **C03 (Apply)**

**12** Outline the properties of BLUE. **10 Marks** **L2** **C03 (Apply)**

**Or**

**13** Find the linear regression equation of Y on X and X on Y. **10 Marks** **L3** **C03 (Apply)**

X	146	152	158	164	170	176	182
Y	65	78	77	89	82	85	86