Sessional Examination, 2023

B.A. 4th Semester (H)

Paper: ECO-HC-4036

Introductory Econometrics

X

Time - 1 hour

Marks - 20

1. Answer the following questions (any three) $1 \times 3 = 3$.

a) What do you mean by Type I error?

b) Define the term Null Hypothesis.

c) Write any two properties of the Estimators.

d) What do you mean by Hypothesis?

2. Answer the following questions (any one) $2 \times 1 = 2$.

a) Distinguish between Type I and Type II errors.

b) Write the properties of the Chi-square Distribution.

3. Answer the following questions $5 \times 1 = 5$

a) Two samples are drawn from two normal populations. From the following data, test whether the two samples have the same variance at 5% level of significance.

Sample I:	60	65	71	74	76	82	85	87		
Sample II:	61	66	67	85	78	63	85	86	88	91

4. Answer the following questions (any one) 10x1=10

a) Discuss the Consequences of the Multicollinearity.

OR

What are the detections or tests of Auto-Correlation.