PG – 061

III Semester M.A. Examination, April/May 2022
(CBCS)
ECONOMICS
Paper – 3.3 : Econometrics

Time : 3 Hours	Max. Marks : 70

Instructions : *1) Answer **all** Parts.*
*2) Read instructions under **each** Part.*

PART – A

Answer **any two** of the following : **(2×5=10)**

1. Define econometrics and distinguish between economic and econometric model.
2. Explain the uses of disturbance term.
3. Define hypothesis and explain its types.
4. What is causality test ? Explain Sim's test of causality.

PART – B

Answer **any three** of the following : **(3×10=30)**

5. Explain the importance of econometrics.
6. Illustrate the assumptions of classical linear regression model.
7. Define dummy variable model with an example and explain dummy variable trap.
8. Explain the nature, causes and remedies of auto-correlation.
9. Illustrate simultaneous equation and bias.

PART – C

Answer **any two** of the following : **(2×15=30)**

10. Explain the methodology of econometrics, with an example.
11. Derive the least square estimators for a two variable regression model.
12. Explain hypothesis testing through confidence interval approach.
13. Illustrate the nature, causes, consequences and remedial measures of hetero-scadasticity.