



QP CODE: 25047650

Reg No :

Name :

MA DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M.A Development Economics

Core Course - DE010302 - ECONOMETRIC METHODS I

2020 ADMISSION ONWARDS

1A24C1E2

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. What is the method of OLS?
2. What do you mean by the term coefficient of determination?
3. Goodness of Fit in Multiple Regression Model.
4. Define Restricted least Squares.
5. Lagged variables and Autocorrelation.
6. Multicollinearity and Time Series Data.
7. Write a note on ANOVA Model.
8. Estimation of an Overidentified Equation.
9. Finite Lag Model and Infinite lag Model.
10. Fundamental Axiom of Granger-Sims causality.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Analyse the nature of regression analysis.
12. Prove that the estimator of β_2 is Linear.
13. Discuss the concept of Two-Tail Test.





14. Write a note on types of Specification Errors.
15. Write a note on Reciprocal Model.
16. How Dummy Variables are used for measuring the shift of a function over time ?
17. Discuss the Problems of Linear Probability Model.
18. Distinguish between Probit Model and Tobit Model.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain the nature of regression analysis.
20. Explain General Linear Regression Model.
21. Write an essay on the consequences of Heteroscedasticity.
22. Distinguish between Logit model and Linear Probability Model.

(2×5=10 weightage)

