

(Pages : 3)

L – 5348

Reg. No. :

Name :

Fourth Semester M.A. Degree Examination, March 2021

Economics

Optional - II

EC 244(E) – ECONOMETRICS

(2013-17 Admissions)

Time : 3 Hours

Max. Marks : 75

PART – I

Answer **all** questions from this part. Explain in a sentence or two.

1. Linear equation
2. Adjusted R square
3. Multicollinearity
4. Specification error
5. Dummy variable trap
6. Chow test
7. Autoregressive model
8. Coefficient of decay
9. Exactly identified system
10. Order condition of identification

(10 × 1 = 10 Marks)



P.T.O.

PART – II

Answer **any seven** questions. Each answer should not exceed **500** words.

11. Explain the scope of econometric tools in analytical research.
12. Explain the meaning and interpretation of regression coefficients.
13. Explain the reasons behind auto correlation problem.
14. Distinguish between time series and cross section data with two examples.
15. Explain different errors of measurement.
16. Explain the interpretation of dummy model coefficients with an example.
17. Write a note on piece wise linear regression.
18. Define an instrument variable. What are its uses in econometric analysis?
19. Explain a simultaneous system of equations with an example.
20. Mention any three important limitations of econometric approach.

(7 × 5 = 35 Marks)

PART – III

Answer **any three** questions. Each answer should not exceed **1200** words.

21. Explain briefly the model specification stage of econometric methodology.
22. What do you mean by BLUE? Explain each property of BLUE clearly.
23. Explain solutions for the problem of heteroscedasticity.

24. Summarise the contributions of Almon towards the estimation of distributed lag models.
25. Explain the Indirect Least Square method of estimating simultaneous equation models.

(3 × 10 = 30 Marks)

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