

TB205265V

Reg. No :

Name :

B. A. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
SEMESTER V - CORE COURSE (ECONOMICS)
EC5B10B18 - INTRODUCTORY ECONOMETRICS

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. What do you understand by the term 'hypothesis testing'?
2. Define the term 'econometrics'.
3. Comment on least-squares criterion.
4. Distinguish between population and sample.
5. Suggest remedial measures to deal with the problem of heteroscedasticity.
6. What can you conclude if the degree of multicollinearity is high?
7. Describe perfect multicollinearity.
8. How do we express qualitative explanatory variables in regression? What are its other names?
9. Why do we use dummy variables?
10. Describe a linear investment function.
11. State the equation of a distributed lagged model.
12. How do we express rate of decline in Koyck model?

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Briefly explain the collection of data and estimation of model in econometric research.
14. Illustrate TSS, RSS and ESS by means of equations and diagrams.
15. Elucidate the procedure involved in the estimation of parameters by OLS method.
16. Compare and contrast TOL and VIF.
17. Are the OLS estimators BLUE under heteroscedasticity? Discuss.
18. How does dummy variable help in removing seasonal variations in time series? Are they used as proxies to categorical factors?
19. Discuss the method by which dummy variables are used for seasonal adjustment in time series.
20. Outline the adaptive expectations model popularised by Friedman and Cagan.
21. Analyse Koyck approach to distributed lag models.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Write a note on estimators. What are the properties of a good estimator?
23. Analyse the method of estimation of PRF based on SRF using equations and diagrams.
24. Analyse the nature of the problem of autocorrelation. Why does autocorrelation occur?
25. Elucidate the features of distributed lagged model with the help of equations. Examine the reason for lags.