



K23U 0365

Reg. No. :

Name :

**VI Semester B.A. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, April 2023**

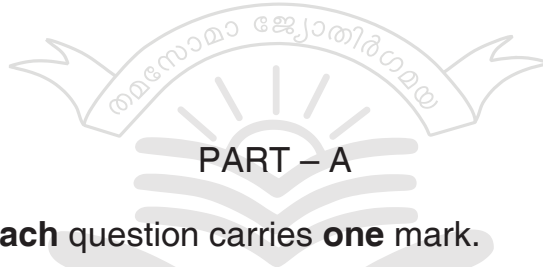
(2019 & 2020 Admissions)

CORE COURSE IN ECONOMICS/DEVELOPMENT ECONOMICS

6B15 ECO/DEV ECO : Basic Econometric Analysis

Time : 3 Hours

Max. Marks : 40



PART – A

Answer **all** questions. **Each** question carries **one** mark.

1. Define Econometrics.
2. What do you mean by Error Term ?
3. Give a note on Hypothesis.
4. What is Regression ?
5. Explain Degrees of Freedom.
6. Define level of significance.

(1×6=6)



PART – B

Answer **any 6** questions. **Each** question carries **two** marks.

7. Explain the uses of Econometrics.
8. What do you mean by Auto Correlation ?
9. Briefly explain the concept of PRF.
10. Distinguish between Time Series and Cross Section Data.
11. Explain the term “Liner in parameters”.

P.T.O.



- 12. Explain the graphical method for the detection of Heteroscedasticity.
- 13. Point out its main limitation of Durbin Watson test.
- 14. What do you mean by Non-linear regression models ? **(2×6=12)**

PART – C

Answer **any 4** questions. **Each** question carries **three** marks.

- 15. Explain the reasons of Multicollinearity.
- 16. Briefly explain Goldfeld Quandt test associated with Heteroscedasticity.
- 17. Explain the significance of coefficient of determination.
- 18. How we can solve the problem of autocorrelation ?
- 19. Explain the division of Econometrics.
- 20. Define Data. Point out the different types of data. **(3×4=12)**

PART – D

Answer **any 2** questions. **Each** question carries **five** marks.

- 21. Write an essay on the methodology of Econometrics.
 - 22. Explain Cobb-Douglas Production function.
 - 23. Give an account on the main assumptions underlying the method of OLS.
 - 24. Explain BLUE property. **(5×2=10)**
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