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Reg. No. : ....

Name : ....

02

Second Semester M.A. Degree Examination, August 2025

Behavioural Economics and Data Science

BEDS 524 : BASIC ECONOMETRICS AND RESEARCH METHODOLOGY

(2020 Admission Onwards)

Time : 3 Hours Max. Marks : 75

SECTION – I

Answer **all** questions. Each question carries **1** mark.

1. Homoscedasticity.
2. Level of significance.
3. Forecasting.
4. Measure of goodness of fit.
5. Errors of measurement.
6. Durbin Watson d statistic.
7. Case study.
8. Augmented Dickey fuller test.
9. Descriptive research.
10. One-tailed and two-tailed tests.

(10 × 1 = 10 Marks)

P.T.O.

SECTION – II

Answer any **seven** questions not exceeding **400** words. Each question carries **5** marks.

11. How to formulate research problem?
12. Explain the detection and remedial measures of Heteroscedasticity.
13. Write a short note on the division of Econometrics.
14. Discuss the importance of stationary and Non-Stationarity in time series analysis.
15. Write a short note on F-test and ANOVA.
16. Explain main requirements of a good questionnaire.
17. Write a note on the uses of dummy variables in econometric analysis.
18. Discuss the meaning and consequences of Multicollinearity present in a model.
19. Briefly explain the remedial measures of Multicollinearity.
20. Discuss in detail of the Assumptions of Multiple linear regression model.

(7 × 5 = 35 Marks)

SECTION – III

Answer any **three** questions not exceeding **1200** words. Each question carries **10** marks.

21. Briefly explain the meaning and scope of social science research.
22. Discuss the consequences, detection and remedial measures of Autocorrelation.
23. Write a short note on dummy variable and explain the importance of piece-wise linear regression.
24. Briefly explain the methodology of econometric research.
25. Discuss the basic concepts of ARMA and ARIMA process.

(3 × 10 = 30 Marks)
