Exam.Code:716 Sub. Code: 5523

1125

Master of Business Economics Third Semester

MBE-7102: Business Forecasting and Estimation

Time allowed: 3 Hours

Max. Marks: 80

(8,8)

NOTE: Atte	npt any five	questions.
------------	--------------	------------

x-x-x

Answer the following:a) Explain the difference between cross-sectional data and time series data. Give examples of each. b) What are pooled data? What are panel, longitudinal, or micropanel data? c) What is a stationary time series? A non-stationary time series? Give an example of a non-stationary time series. d) What is the difference between a parameter and an estimate of a regression (4x4)function? Discuss the limitations of the moving average method of estimating trend in a time II. series. Define the exponentially weighted moving average time series forecasting (16)approach. Discuss a general linear regression model and state the assumptions. Obtain the OLS III. (16)estimates of the parameters. Compare and contrast an AL model with a DL model and discuss the relative merits IV. (16)of the two models. (16)Outline the Box-Jenkins identification methodology. V. Explain what co integration is and how you would test for it using the Engle-Granger VI. method. What is the rational for an Error Correction Model? (16)Compare and contrast an AR model with a ARMA model and discuss the relative VII. (16)merits of the two models. Write short note on: VAR Models and their role in Business forecasting. (16)VIII. Contrast an ARCH model with a GARCH model and discuss the relative merits of the IX. two formulations X. Write short notes on:-

a) Arima Model

b) Tests of Stationarity