Exam.Code:0009
Sub. Code: 0719

2012

B.A./B.Sc. (Hons.) Fifth Semester

Economics

Paper – III: Introduction to Econometrics

Time allowed: 3 Hours

Max. Marks: 90

NOTE: *Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.*

x-x-x

I. Attempt any nine of the following :-

a) How econometrics is differ from statistics.

b) Prime goal(s) of econometrics.

c) Show diagrammatically stochastic and non-stochastic variables.

d) Criteria of a test.

e) What is power test?

f) Define F-test.

g) Properties of t-test.

h) What are proxy variables?

i) What are Type I and Type II errors?

j) What do meant by the term autocorrelation?

k) What is Maximum Likelihood (ML) method?

l) Suggest the name of any two tests of Hetroscedasticity. (9x2)

UNIT - I

II. What is Econometrics? Explain the nature of Econometrics approach. (18)

III. What is Estimation? Explain methods of moments as an alternative method of Estimation. (18)

UNIT - II

IV. What do you mean by testing of Hypothesis? Explain Null and Alternative Hypothesis with suitable examples. (18)

V. What is t-test? Explain two sided t-test. (18)

P.T.O.

UNIT - III

VI. Give the properties of OLS Estimators under the normality assumption of CNLRM. (18)

VII. What could be possible solutions of Multicollinearity detect. (18)

UNIT - IV

VIII. a) What are Dummy variables?

b) Dummy variables and autocorrelation.

c) What happened if dependent variable is Dummy variable. (3x6)

IX. What are Lagged variables? Explain the partial adjustment model of lagged variables. (18)

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