

Department of Economics
MPhil-PhD Course Work Examination
2013 (July)

ECO(C)-1001: Research Methodology in Economics

Full Marks: 75 ; Time: 3 Hours

The figures in the margin indicate full marks for the questions
Answer **five** questions, selecting at least **one** from each Credit

CREDIT-I

1. (a) Distinguish between Sampling and Census in terms of their advantages and disadvantages. 6+9
(b) Give a brief outline of design of sample survey.
2. (a) Describe various techniques of choosing samples for empirical research. 8
(b) Describe in detail how to write report of an empirical research. 7

CREDIT- II

3. (a) Describe some prominent positive measures of inequality. What properties should a measure of inequality possess? 15
4. Write short notes on (any two) 7.5 *2
(a) Normative measure of inequality.
(b) Hypothesis and testing of Hypothesis.
(c) Co-integration.
(d) Generalised least square.

CREDIT- III

5. (a) Define autocorrelation. Show that the application of OLS for estimating the parameters in case of autocorrelated disturbance term yields inefficient estimates. 10
(b) Describe, how to detect the presence of autocorrelation. 5
6. (a) Define stationarity of a time series process. What do you mean by random walk and integrated series? Describe the consequence of non-stationarity. 9
(b) Describe how to test the stationarity of a time series process. 6

CREDIT-IV

7. Give an account of Adam Smith's contribution to the Classical Economic Theory. 15
8. Elucidate Thorstein Veblen's theories of 'leisure class' and 'business enterprise'. 15