

27. Bring out the characteristics of health services in India.
28. What do you know about NRHM ?

(10 x 2 = 20 weightage)

### Part C

*Answer any **three** not exceeding 3 pages each.*

29. Sketch the basic problems of rural health in India. What are the measures taken by the Govt, recently to tackle the issues ?
30. Examine the impact of economic reform in the health sector of India since 1991.
31. Examine the role of NGO's in the health care sector of India.
32. Justify health as an investment for human development in India.
33. Briefly explain why health insurance companies are not willing to insure the old people.

(3 x 4 = 12 weightage)

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(Pages : 3)

Name.....

Reg. No.....

THIRD SEMESTER M.A. DEGREE EXAMINATION, DECEMBER. 2013

(CUCSS)

Applied Economics

ECONOMETRICS

Time : Three Hours

Maximum : 36 Weightage

Part A

*Answer all questions.*

*Each bunch of four questions carries a weightage of 1.*

A.. Multiple Choice :-

1. Regression between Y and  $X_1, X_2$ , assuming other variables constant is :

- (a) Simple Regression.
- (b) Multiple Regression.
- (c) Partial Regression.
- (d) None of the above

2. The ratio of explained variation to total variation is :

- (a)  $r^2$ .
- (b)  $r$ .
- (c)  $R^2$ .
- (d) None of the above.

3.  $\hat{u}_t = \rho \hat{u}_{t-1} + v_t$  is :

- (a) Second order Autocorrelation.
- (b) First order Autocorrelation.
- (c) Third order Autocorrelation.
- (d) None of the above.

4. Confluence Analysis is associated with :

- (a) Heteroscedasticity.
- (b) Auto correlation.
- (c) Multicollinearity.
- (d) None of the above.

B. Multiple Choice :

5. If the equation is over identified the appropriate method to be used :

- (a) MLM.
- (b) 2 SLS.
- (c) 3 SLS.
- (d) ILS.

Turn over

6. The order condition for identification is :

- (a)  $(K - M) > (G - 1)$ . (b)  $(K - M) = (G - 1)$ .  
 (c)  $(K - M) < (G - 1)$ . (d)  $(K - M) < (G - 1)$ .

7. The coefficient of multiple determination  $R^2$  lies between.

- (a)  $-a$  and  $+a$ . (b)  $-1$  and  $+1$ .  
 (c)  $0$  and  $1$ . (d)  $-1$  and  $0$ .

8. Exogenous lagged variables.

- (a) Koyek Model. (b) Almon's Polynomial Model.  
 (c) Partial Adjustment Model. (d) None of the above.

C. Fill in the blanks :

9. Bunch map analysis is associated with \_\_\_\_\_  
 10. Regression models that take into account time lags are known as \_\_\_\_\_  
 11. Auto correlation problem normally arises in \_\_\_\_\_  
 12. Asymptotic properties are associated with \_\_\_\_\_

D. State whether the following statements are True or False :

13. The repeated surveys of a single sample in different periods of time is called panel data.  
 14. An unbiased estimator with the least variance is known as an efficient estimator.  
 15: The qualitative factors cannot be measured with the help of dummy variable.  
 16. The reduced form method is also known as 2 SLS.

(16 x  $\frac{1}{4}$  = 4 weightage)

### Part B

*Answer any ten questions.  
 Each question carries a weightage of 2.*

17. Explain the scope of econometrics.  
 18. Write short note on the nature of data for econometric analysis.  
 19. Explain the limitations of Econometric methods.  
 20. Briefly explain the estimation of multiple regression model using OLS method.  
 21. What are the sources of autocorrelation ?