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St Aloysius College (Autonomous)
Mangaluru

Semester III-P.G. Examination -M. A. Economics

November -2024

ECONOMETRICS

Time: 3 hours

Max Marks: 70

SECTION- A

Answer any **TWO** questions of the following: (2×15=30)

1. Let a model consist of the following equations

$$Y_1 = 4y_2 - 3x_1 + u_1$$

$$Y_2 = 2y_3 + 2x_3 + u_2$$

$$Y_3 = 2y_1 - 3y_2 - x_2 - x_3 + u_3$$

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- a) Establish for each equation whether it is exactly identified, over identified or under identified.
 - b) Choose the most appropriate technique for the estimation of the identified equations.
2. What is multicollinearity? Explain the nature, detection and remedial measures of multicollinearity.
 3. Explain nature and methodology of econometrics.

SECTION- B

Answer any **FOUR** questions of the following: (4×6=24)

4. Explain the rules of Identification
5. Explain the test and remedial measures to Autocorrelation
6. Explain the meaning and scope of econometrics
7. Combination of Adaptive expectations and partial adjustment model
8. Explain method of instrumental model
9. Explain the violation of assumptions in linear equations.

SECTION: C

Write a note on **FOUR** of the following: (4×4=16)

10. Write a note on ANCOVA model
11. Write a note on Chow test
12. Write a note on the reasons for lags.
13. Write a note on simultaneous equations model
14. Write a note on Properties of estimates
15. "What mathematical concepts and techniques are commonly used in econometrics, and how do they contribute to the field?"

PS 113.3

Reg No:

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HEALTH ECONOMICS

Time: 3 hours

Max Marks: 70

SECTION- A

Answer any TWO questions of the following: (2×15=30)

1. Examine the factors affecting health status.
2. Analyse the advantages and disadvantages of perfect competition in health care markets. How does it impact access, pricing and quality of care?
3. Discuss the complexities and challenges of implementing healthcare reforms in a country as diverse as India.

SECTION- B

Answer any FOUR questions of the following: (4×6=24)

4. Explain the causes and consequences of malnutrition.
5. Distinguish between chronic illness and acute illness.
6. Explain the significance of the health-related MDGs in global public health.
7. Explain the concept of fertility transition and its relevance in the context of India.
8. What do you mean by Saving Linked Insurance system?
9. Explain the role of Government investment in health sector.

SECTION: C

Write a note on FOUR of the following: (4×4=16)

10. Write a note on PPP model.
11. Explain gender discrimination in health.
12. What role does traditional medicine play in rural healthcare?
13. Write a note on the components of food security.
14. Explain the determinants of healthcare demand.
15. What is aging?

PS 114.3

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LABOUR ECONOMICS

Time: 3 hours

Max Marks: 70

SECTION- A

Answer any TWO questions of the following: (2×15=30)

1. Elucidate the field of labour economics by describing its nature, key, objectives and areas of study.
2. Assess the impact of anti-discrimination policies on workforce diversity and workplace culture.
3. What strategies can be employed to ensure that employment subsidies reach marginalized or disadvantaged communities?

SECTION- B

Answer any FOUR questions of the following: (4×6=24)

4. Explain why irreversibility is an important consideration when evaluating investment opportunities?
5. What are the implications of education on an individual's earning potential in the labour market?
6. Evaluate the effects of a minimum wage policy on small businesses and their ability to hire employees.
7. How can policymakers utilize their understanding of labour migration trends to develop effective strategies for managing absenteeism in the industrial sector?
8. How does the concept of "backward-bending labour supply curve" relate to the income and substitution effects? Explain.
9. What do you mean by adjustment cost? Provide examples of specific adjustment costs that a manufacturing company might face when trying to increase its production capacity?

SECTION: C

Write a note on FOUR of the following: (4×4=16)

10. Features of wage policies in India
11. Goal of collective bargaining in labour relations
12. Demographic characteristics of the immigrant population participating in training programs
13. Immigration, earnings and job prospects of native workers.
14. Labour market supply and demand.
15. Labour turnover
