



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

SUBJECT: ECONOMICS **PhD Entrance Examination Model Question Paper**

Duration: Three hours

Max. Marks: 100

INSTRUCTIONS

Please do not write your name anywhere in the answer sheets. Write only your roll number on every page.

Please return the full set of question paper along with your answer script to the room supervisor.

General instructions: (a) Answer the questions from Part A through Part E. (b) Answers in each Part should be written together. Use separate sheet/s of paper to write answers by Parts. (c) Mark most appropriate answers in Part A on the question paper.

“PART A” OBJECTIVE TYPE QUESTIONS (TOTAL MARKS=30) **Answer all the 30 questions. Each question carries one mark**

A1. The income elasticity of demand for inferior goods will be

- A. positive but less than unity
- B. positive but ranges from zero to infinity
- C. negative but less than unity
- D. negative and ranges from zero to minus infinity

A2. If $f(y) = y/(1-y)$ and $g(y) = y/(1+y)$, then $f(y) - g(y)$ is

- A. $f(y)$
- B. $2f(y^2)$
- C. $[f(y)]^2$
- D. none of the above

PART B (TOTAL MARKS=20)

Answer any 4 out of 6 questions. Each question carries 5 marks.

B1. Suppose supply of a good by a domestic firm is given by: $Q^{sd} = 10 + 2p$ and of a foreign firm, that is also supplying, is $Q^{sf} = 10 + p$, p denotes price and Q denotes quantity. The market demand is given by $Q^{DD} = 30 - p$. Suppose a quota is imposed on the foreign firm such that it can sell a maximum of 10 units. Find the equilibrium quantity and price. How does this equilibrium compare with the equilibrium when there is no quota restriction?

B2. Discuss the concepts of income and substitution effects (in demand theory) using diagrams.

PART C (TOTAL MARKS=20)

Answer any 4 out of 6 questions. Each question carries 5 marks

C1.(a) What is meant by a neutral technological change? (b) What is a labour augmenting technological change? (c) What is a homogeneous production function?

C2. Consider a household budget constraint of the following form:

$$PY_1 + b_0(1+R) + m_0 = P C_1 + b_1 + m_1$$

Where, Y_1 is the output of period 1, Price of good = P , $b_0(1+R)$ is the total income in period 1 from bonds purchased in period '0', where R is the rate of interest. C_1 denotes consumption in period 1, b_1 bond purchased in period 1 and m_0 and m_1 are money holding in period 0 and 1 respectively. 2+3

- a) Given this specification write household's budget constraint for period 2. Are the budget constraints for period 1 and 2 independent? Give reasons.
- b) Combining appropriately period 1 and 2 budget constraints write the combined 2- period budget constraint under the assumption that $m_t = m$ for all time period t .

PART D (TOTAL MARKS=15)

Answer any 3 out of 6 questions. Each question carries 5 marks

D1. Having derived a model for the exchange rate s_t as a function of the interest rate differential r_t using the following regression:

$$s_t = a + b r_t + e_t$$

where e_t is an error term, how would you check for the presence of serial correlation in the error term and how would you deal with it.

D2. Discuss probability and non probability sampling.

PART-E (TOTAL MARKS=15)

Answer any 3 of the following 6 questions. Each question carries 5 marks

E1. What do you understand by the term 'Inclusive Growth'? Briefly discuss the measures initiated in this direction by the government.

E2. What is a subsidy? What kind of subsidies are justified according to you and why?



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper Subject: Environmental Economics / Ecological Economics

Time: Three Hours

Maximum Marks: 100

Instructions

Please do not write your name anywhere in the answer sheets.

Write only your roll number.

Please tick the right answer in Part-A. Return the full set of question paper along with your answer script to the hall supervisor

The Entrance Examination will consist of three parts - Part A, Part B and Part C.

Part A will have Objective Questions (Total Marks: 30)

Part B will have Short Answers or Short Essay Questions (Total Marks: 40)

Part C will have Essay Type Questions (Total Marks: 30)

Part-A

Objective Questions – Attempt All Questions

Tick (✓) the correct answer (1 mark each)

1. Open access resource is:
 - A. Non-excludable
 - B. Non-rival
 - C. Not managed
 - D. All the above
2. The valuation approach adopted in Travel cost method is:
 - A. Revealed Preference
 - B. Stated Preference
 - C. Both revealed and stated preference methods
 - D. None of the above

Part-B

Answer any FOUR questions (Ten marks each)

1. Critically evaluate the Forest Policies in Post Independent India.

Part-C

Answer any THREE questions (Ten marks each)

1. Discuss the various approaches for tackling environmental degradation? Discuss this with reference to the Indian experience?



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper SUBJECT: AGRICULTURAL ECONOMICS/RURAL DEVELOPMENT

Duration: Three hours

Max. Marks: 100

INSTRUCTIONS

Please do not write your name anywhere in the answer sheets. Write only your roll number.

Please return the full set of question paper along with your answer script to the room supervisor.

Part A

Tick mark the correct answer and Give a short explanation to substantiate your answer each question carries TWO MARKS

1. Command Area Development Authority does not carry out:
 - a) Construction of Dam
 - b) Formulation of Water Users' Associations
 - c) Collection of Water Rates
 - d) Distribution of Water
2. Agriculture commodity imports have gone up between 2000-04 by:
 - a) 100 per cent
 - b) 243 per cent
 - c) 300 per cent
 - d) 187 per cent

Part B

Solve any FOUR of the following, 10 Marks each

1. Comment upon the debate on land issues in the context of tenancy market, land put to non-agricultural uses and crop diversification.
2. Discuss the usage of Common Property Resources and its environmental effects.

Part C (A)

Write Short notes on FOUR of the following EACH QUESTION CARRIES 5 MARKS

1. Rural infrastructure
2. Cobweb theorem in the context of highly elastic supply curve

Part C (B)

Write an essay using the following information Each Question carries 10 marks

1. Proportion of area under different sources of irrigation in India

Sources	1950-51	1960-61	1970-71	1980-81	1990-2000
Canals	39.8	42.2	41.3	35.6	35.6
Tanks	17.3	18.5	13.2	6.8	7.0
Wells/ Borewells	28.7	29.6	38.2	51.0	50.9
Others	14.2	9.9	7.3	6.5	6.5
Total	100	100	100	100	100



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper SUBJECT: POPULATION STUDIES

Time: 3 hours

Marks: 100

Section A : Circle the correct answer.

All questions carry equal marks (40 X 1 = 40).

Maximum Marks 40

1. Crude Death rate is defined as
 - a. Number of deaths divided by total population
 - b. Number of deaths divided by mid year population
 - c. Number of births divided by mid year population
 - d. Number of deaths divided by number of births

2. Percentage of urban population between 1991 and 2001 in India has been
 - a. Increased over 5 per cent
 - b. Increased less than 5 per cent
 - c. Remained nearly the same
 - d. Declined over the period

Section B Answer any three questions

All questions carry equal marks (10 X 3 = 30).

Maximum marks: 30

1. Marxian views on population growth
2. The role of family in fertility regulation

Section C

Answer any two (all questions carry equal marks (2 X 15 =30) Maximum marks: 30

1. The sex ratio trend in India is a vivid description of the low status of women in the country. Justify.
2. Examine the inter-relationship between population growth and environment



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper SUBJECT: DEVELOPMENT STUDIES

Time: 3 hours

Marks: 100

Part "A": Multiple Choice Questions (Marks: 30)

1. Which among the following is not an environmental movement?
 - a. Jharkhand Mukti
 - b. Sardar Sarovar
 - c. Chipco
 - d. Silent Valley
2. Who drafted the report that led to formation of WTO
 - a. Albert Dunkel
 - b. Arnold Dunkel
 - c. Arthur Dunkel
 - d. Arbour Dunkel

Part-B

Instructions

Part B consists of questions requiring short essays. Answer any **Eight** Questions. Each question carries 5 marks. Cite relevant literature where necessary.

Your answers are expected to depict your scholarly understanding of the subject, and not your General Knowledge. Please cite relevant literature where necessary.

1. Illustrate the circumstances that led to the macro-economic crisis of early nineties.
2. 'Trade is an engine of growth.' Where, how and under which conditions, this statement could be relied upon.

Part C**(30 marks)**

Presented below is a table containing the data from a study of a sample of households (HHs) in a few rural settings across the state of Orissa. Five sets of information pertaining to five categories of households are presented in the table. Study the data and give a suitable title to the table. Answer any four questions listed beneath it.

Size of Land Owned	Assets Created with Borrowed Money	Incidence of Child Labour	Incidence of Dowry Death	Monthly Health Expenditure	Average Age of HH Members
	(No.)	(No.)	(No.)	(Rs,)	(Years)
Landless	12	2	6	65	48
Below 2.5 Acres	17	2	4	72	51
2.5 to 5 Acres	22	8	4	75	69
5 to 10 Acres	26	36	4	23	32
10 Acres or More	32	72	0	14	31

1. State at least two generalisations in regard to the pattern of asset creation by the rural households?
2. How would you describe the relationship between the incidence of dowry death and asset creation? What is the basis of your analysis?
3. Looking at the data, formulate one hypothesis for future research pertaining to the nature of relationship between the incidence of child labour and asset creation.
4. Looking at the expenses on health, do you think it is more determined by the size of landownership or average size of the household? Why do you think it is so? A student had generalised that child labour does not result in ill health and expenses for health care. Do you agree with the student? Explain.



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper SUBJECT: EDUCATION

Max. Marks: 100

Duration: 3 Hours

Instructions

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SECTION –A

CHOOSE CORRECT ANSWER (Each question carries one mark)

1. ISRAEL SCHEFFLER's name is associated with
 - a. Pragmatism
 - b. Existentialism
 - c. Idealism
 - d. Language Analysis

2. Doordarshan is an _____ agency of education
 - a) Passive
 - b) Active

SECTION –B

DISCUSS THE FOLLOWING (Answer to be limited to one page) (5 marks each)

1. Right to education
2. Sarvashiksha Abhiyan

SECTION – C

ANSWER THE FOLLOWING (Answer to be limited to two pages) (20 marks each)

1. What do you mean by 'Research Design'? Develop a research design for a study: *School Determinants of Educational Outcomes*
2. Governance Reforms in School Education: Discuss merits and demerits



INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

Ph.D Entrance Examination Model Question Paper SUBJECT: POLITICAL SCIENCE/INTERNATIONAL RELATIONS/PUBLIC ADMINISTRATION

Duration: Three hours

Max. Marks: 100

INSTRUCTIONS

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Part A: Objective Type Questions:

Answer any 20 questions; each question carries 2 marks (20 x 2=40)

1. Which is not a local-self government?

- a) Zilla panchayat
- b) Taluk panchayat
- c) Village panchayat
- d) Village development council

2. Which is not a civil society?

- a) Village panchayat
- b) Voluntary organisation
- c) Media
- d) Religious organisation

Part B: Brief Answer Questions:

Answer any four questions: Each question carries five marks (4 x 5= 20)

- 1) Write a short note on 'Women's Reservation Bill'.
- 2) Comment on the role of gender in administration.

Part C: Essay type questions:

Attempt any four questions and all questions carry equal marks.

4 X 10=40

- 1. What are the changes in Indian party-system since Independence?
- 2. Developmental politics/state (strong autonomous state with vision and competent bureaucracy) is partly responsible for development in China and South East Asia. Apply this idea to analyze development in any two Indian states (West Bengal, Andhra Pradesh and Bihar, Orissa etc).



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Ph.D Entrance Examination Model Question Paper SUBJECT: SOCIOLOGY

Instructions:

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Part "A": Multiple Choice Questions (Marks: 30)

- 1, In Marx's theory, the 'mode of production' means
 - a) the way in which products are made in a factory
 - b) the average measure of productivity under capitalism
 - c) the organization of a society's technical and human resources
 - d) an integral part of the superstructure of a society

- 2, Weber said that all knowledge is 'value-relevant' because
 - a. Sociologists like to put a value on different theories
 - b. knowledge refers to people and their values
 - c. theorists interpret the world in terms of their own values
 - d. attempts to provide knowledge about the world are always valuable

PART-B

Instructions

Part B consists of questions requiring short essays. Answer any **Eight** Questions. Each question carries 5 marks. Cite relevant literature where necessary.
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Part "B": Questions for Short Essays

1. Is Durkheim's explanation of the transition from mechanic to organic solidarity functionalist? Discuss.
2. Parsonian structural-functionalism has underestimated agency. Do you agree?

PART C (30 Marks)

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5. A student had generalised that child labour does not result in ill health and expenses for health care. Do you agree with the student? Explain.