

2922/105  
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HUMAN ECOLOGY AND  
ECONOMICS  
Oct./Nov. 2011  
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL  
DIPLOMA IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY

MODULE I

HUMAN ECOLOGY AND ECONOMICS

3 hours

INSTRUCTIONS TO CANDIDATES

*You should have the following for this examination:*

*Answer booklet;*

*Non-programmable scientific calculator.*

*This paper consists of TWO sections; A and B.*

*Answer ALL questions in section A and any THREE questions from section B.*

*Each question in section A carries 4 marks while each question in section B carries 20 marks.*

*Maximum marks for each part of a question are indicated.*

**This paper consists of 3 printed pages.**

**Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.**

**SECTION A: (40 marks)**

*Answer ALL questions from this section.*

1. State any **four** principles of a good tax system. (4 marks)
2. State **four** advantages of ethics to mankind. (4 marks)
3. Explain how the ecological theory has evolved to today. (4 marks)
4. Explain any **two** distinctive features of a general systems theory. (4 marks)
5. Distinguish between the following:
  - (a) natural will and rational will; (2 marks)
  - (b) primary group and secondary group. (2 marks)
6. Differentiate between social values and individual values. (4 marks)
7. Identify any **four** sources of government revenue. (4 marks)
8. Distinguish between elasticity of demand and elasticity of supply. (4 marks)
9. Identify any **four** advantages of a sole trader. (4 marks)
10. Describe the importance of elasticity of supply to the following:
  - (a) producers; (2 marks)
  - (b) government. (2 marks)

SECTION B (60 marks)

Answer any **THREE** questions from this section.

11. (a) Define the term stigma as used in social stratification. (2 marks)
- (b) Explain **three** types of stigma in a social system. (6 marks)
- (c) Describe the **three** structures of the mind as used in psychoanalytic theory. (12 marks)
12. (a) List **four** civil remedies for displaced persons. (4 marks)
- (b) Explain **four** positive and negative impacts of urbanization on society. (8 marks)
- (c) Differentiate between the **four** characteristics of Gemeinschaft and Gessellschaft relationships. (8 marks)
13. (a) Describe any **four** exceptions to the law of demand. (8 marks)
- (b) Explain **six** impacts of settlement schemes on environment in Kenya. (12 marks)
14. (a) The table given below shows the demand and supply of bread in ABC company.

Price	Quantities Demanded	Quantities Supplied
35	300	60
70	200	100
105	150	150
140	100	200
175	80	300
210	50	400

- (i) With the aid of a diagram, use the above data to show equilibrium points. (3 marks)
- (ii) Explain **five** effects of price controls. (5 marks)
- (b) Explain any **four** measures that can be taken to control the rate of inflation. (12 marks)
15. (a) Explain problems facing Kenya in international trade as one of the developing countries. (10 marks)
- (b) Explain any **five** benefits of specialisation while producing a specific product. (10 marks)