

Name: _____ Index No: _____

Candidate's Signature: _____

Date: _____

2528/105
2922/105
ENVIRONMENTAL ECOLOGY AND
ECONOMICS
Oct/Nov 2012
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY
MODULE I

ENVIRONMENTAL ECOLOGY AND ECONOMICS

3 hours



INSTRUCTIONS TO CANDIDATES

Write your name and index number in the spaces provided above.
Sign and write the date of examination in the spaces provided above.
You should have a Non-programmable Scientific Calculator for this examination.
This paper consists of TWO sections; A and B.
Answer ALL the 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 as shown at the end of each question.
Write all your answers in the spaces provided in this question paper.

For Examiner's Use Only

Section A

Question	1	2	3	4	5	6	7	8	9	10	TOTAL
Marks											

Section B

Question	11	12	13	14	15	TOTAL
Marks						

GRAND TOTAL

This paper consists of 12 printed pages.

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

SECTION A (40 marks)

Answer ALL questions in this section.

1. Explain any two motives for money. (4 marks)

2. Distinguish between economies of scale and diseconomies of scale. (4 marks)

3. Identify any four sources of revenue for the Government of Kenya. (4 marks)

4. Name any four types of price elasticity of demand. (4 marks)

5. Using a sketch, explain an indifference curve. (4 marks)



Define the following terms:

(i) urbanization;

(2 marks)

(ii) industrialization.

(2 marks)

7. State any **four** types of displacement.

(4 marks)

8. Explain the concept of power structure as used in the elitist position.

(4 marks)

9. Explain the term organizational behaviour.

(4 marks)

10. (a) Define the term Bureaucracy.

(2 marks)

(b) Name any **two** sources of Weberian Legitimate Authority.

(2 marks)

SECTION B (60 marks)

Answer any **THREE** questions from this section in the spaces provided after question 15.

11. (a) Use diagrams to explain the following concepts:
- (i) disengagement; (6 marks)
 - (ii) clear boundaries. (6 marks)
- (b) Explain the **two** stages of preconventional morality development. (8 marks)
12. (a) Use the following human needs to construct Maslow's Hierarchy of needs pyramid: air, security, food, relationship, achievement, affection, shelter, reputation, fulfilment and protection. (11 marks)
- (b) Explain **three** levels at which majority of persons operate in a Maslow's Hierarchy of needs. (9 marks)
13. (a) Explain **five** factors of production. (10 marks)
- (b) Explain any **five** roles played by small firms in the economy of Kenya. (10 marks)
14. (a) Explain any **two** ways through which the government can influence market prices. (6 marks)
- (b) Explain any **seven** measures undertaken by the government of Kenya to control inflation. (14 marks)
15. (a) The following are five methods of producing 300 pairs of Boots in company ABC Limited.

Method	Machine Hours	Labour Hours
I	600	100
II	400	200
III	300	300
IV	230	400
V	200	500

- (i) Use the above data to construct a graph of an isoquant of machine hours against labour hours. (4 marks)
- (ii) State **three** importance of an isoquant. (6 marks)
- (b) Identify any **five** advantages of trade restrictions in Kenya. (10 marks)