

Name _____

Index No. _____

2822/105

2922/105

HUMAN ECOLOGY AND ECONOMICS

Oct/Nov. 2014

Time: 3 hours

Candidate's Signature _____

Date _____



THE KENYA NATIONAL EXAMINATIONS COUNCIL

**DIPLOMA IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY
MODULE I**

HUMAN 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 the 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 in the spaces provided in this question paper.

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

Do NOT remove any page from this booklet.

Candidates should answer the questions in English.

For Examiner's Use Only

SECTION A

Question	1	2	3	4	5	6	7	8	9	10	Total
Candidate's score											

SECTION B

Question	11	12	13	14	15	Total	Grand Total
Candidate's score							

This paper consists of 16 printed pages.

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

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SECTION A (40 marks)

Answer ALL the questions in this section in the spaces provided.

1. Define the following terms:

(a) specialization;

(2 marks)

(b) division of labour.

(2 marks)

2. With the aid of a graph, differentiate between a shift in the supply curve and a movement along the supply curve.

(4 marks)

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3. Explain two ways in which the government may influence the price of a commodity.

(4 marks)



4. Distinguish between 'leakages' and 'injections' as used in National Income.

(4 marks)

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5. Explain the following methods of measurement of National Income:

(a) expenditure approach;

(2 marks)

(b) income approach.

(2 marks)

6. Identify four solutions to the problem of traffic jam in urban centres.

(4 marks)

7. Distinguish between religion and spirituality.

(4 marks)

8. List any four problems facing settlement schemes in Kenya today.

(4 marks)

9. State four civil remedies available to displaced persons in Kenya.

(4 marks)

10. Distinguish between 'Natural Will' and 'Rational Will'.

(4 marks)

SECTION B (60 marks)

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

11. (a) State the Field Theory. (2 marks)
- (b) Explain the importance of Communication Theory to the present family. (3 marks)
- (c) With the aid of structural diagrams, explain family system boundaries. (15 marks)
12. (a) Define a social group. (2 marks)
- (b) Explain the stages of forming a social group as proposed by Klein. (10 marks)
- (c) Explain the roles of the four different subsystems of families (8 marks)
13. (a) Explain the need for government expenditure. (8 marks)
- (b) Describe the first four principles of taxation as laid down by Adam Smith. (12 marks)
14. (a) Define the term 'localization'. (2 marks)
- (b) Explain five reasons that have encouraged the localization of cement manufacturing firms in Athi River, Kenya. (10 marks)
- (c) Use an indifference curve to derive a demand curve for a normal good. (8 marks)
15. (a) Explain five factors that affect supply of agricultural products in Kenya. (10 marks)
- (b) Explain five monetary policy instruments that the Central Bank of Kenya has employed to reduce inflation levels in Kenya. (10 marks)

