

Name: \_\_\_\_\_  
 29 JAN 2015

Index No: \_\_\_\_\_  
 Candidate's Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

2528/105  
 2922/105  
 HUMAN ECOLOGY AND ECONOMICS  
 June/July 2015  
 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

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 question paper.  
 Each question in section A carries 4 marks while each question in section B carries 20 marks.  
 Examination marks for each part of a question are indicated.  
 Candidates should answer the questions in English.

For Examiner's Use Only

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

SECTION B						Grand Total
Question	11	12	13	14	15	
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.

SECTION A (40 marks)

Answer ALL questions in this section in the spaces provided.

1. Define the following terms:

(a) values:

(2 marks)

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(b) morals:

(2 marks)

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2. Explain any two basis for Maslow's hierarchy of needs

(4 marks)

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3. List the Tuckman's stages in group development.

(4 marks)

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4. Explain any two functions of a boundary in social systems.

(4 marks)

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5. Explain the importance of each of the following structures of the mind:

(a) the Id;

(2 marks)

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(b) the Ego

(2 marks)

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Turn over



Bob's Demand Schedule for DVD's is as shown in Table I. Use the schedule to graphically draw the demand curve. (4 marks)

Table I

Combination	Price (\$hs)	Quantity
A	5	10
B	4	20
C	3	30
D	2	40
E	1	50

7. State four determinants that cause consumer's purchases in response to a price change. (4 marks)

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8. State four factors that have led to the widening gap in income distribution in Kenya. (4 marks)

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9. State four roles played by the private sector in Kenyan economy. (4 marks)

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10. Explain the following inflation control measures:

(a) Bank Rate policy: (2 marks)

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(b) Open Market Operation: (2 marks)

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SECTION B (60 marks)

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

11. (a) Describe five characteristics of Total Quality Management (TQM). (10 marks)  
(b) Explain five reasons that have made TQM to become popular in modern management. (10 marks)
12. (a) Define the term ethics. (2 marks)  
(b) Explain four importance of ethics in the society. (8 marks)  
(c) Describe any five characteristics of a social group. (10 marks)
13. (a) (i) Define the term inflation. (2 marks)  
(ii) Explain four consequences of inflation. (8 marks)  
(b) Explain five methods of overcoming obstacles to economic development in Kenya. (10 marks)
14. (a) Deduce a fiscal policy. (2 marks)  
(b) Explain five effects of devolution on the Kenyan economic fiscal policies. (10 marks)  
(c) Explain four justifications for taxation in Kenya. (8 marks)
15. (a) Explain four reasons for the trends observed in demand curves. (8 marks)  
(b) Assume that the price of Quail eggs is Ksh. 100 per unit, and the demand is 10 units. Suppose the price rises from Ksh. 100 to Ksh. 200 per unit and as a result demand decreases from 10 units to 8 units. Calculate the elasticity of demand for the Quail eggs. (2 marks)  
(c) Explain five approaches that can be used to restrict entry of foreign goods into Kenyan markets. (10 marks)