

2528/105
2922/105
HUMAN ECOLOGY AND ECONOMICS
Oct./Nov. 2019
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 the questions in Section A and any THREE questions from Section B in the answer booklet provided.

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.

Candidates should answer the questions in English.

This paper consists of 4 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. (a) Define the term morality. (1 mark)
(b) State the **three** levels of morality. (3 marks)
2. Explain any **two** types of civil remedies available to people displaced by floods. (4 marks)
3. Distinguish between the Gemeinschaft and Gesellschaft forms of relationships in human development. (4 marks)
4. Explain any **two** roles played by environmental non-governmental organizations in natural resource management. (4 marks)
5. Draw a diagram describing a parent-child intergenerational subsystem of care and socialization. (4 marks)
6. Distinguish between economic resources and non-economic resources. (4 marks)
7. State any **four** causes of poor performance of public companies in Kenya. (4 marks)
8. Explain each of the following:
 - (a) utility; (2 marks)
 - (b) marginal utility. (2 marks)
9. (a) Define consumer price index (CPI). (2 marks)
(b) The average consumer price for a 1 kg bar soap for four years is shown in table 1. Calculate the consumer price index for the year 2015 & 2016 using 2014 as the base year. (2 marks)

Table 1

| Year | Consumer Price (Ksh) | Consumer Price Index |
|------|----------------------|----------------------|
| 2014 | 87 | 100 |
| 2015 | 93 | - |
| 2016 | 100 | - |
| 2017 | 120 | 137.9 |

10. List the rewards derived from each of the following factors of production. (4 marks)

| Factor | Reward |
|------------------|--------|
| Entrepreneurship | - |
| Labour | - |
| Capital | - |
| Land | - |

SECTION B (60 marks)

Answer any THREE questions from this section.

11. (a) Explain five positive implications of production activities on a community. (10 marks)
- (b) Explain any five sources of revenue for the government of Kenya. (10 marks)
12. (a) (i) Explain five causes of abnormal demand curves. (10 marks)
- (ii) Distinguish between indifference curves and isoquants. (4 marks)
- (b) (i) Define elasticity of demand. (2 marks)
- (ii) The price of a piece of sugarcane rises from Ksh 25 to 30 resulting to a fall in demand from 80 pieces of cane to 40 pieces a day. Calculate the price elasticity of demand. (4 marks)
13. (a) (i) Define the term 'economic integration'. (2 marks)
- (ii) Explain any five obstacles that hinder economic integration in developing countries. (10 marks)
- (b) Explain any four policy measures undertaken to correct balance of payment deficit in Kenya. (8 marks)
14. (a) Describe the principle of a symbolic interactionism theory in human development. (12 marks)
- (b) Distinguish between each of the following primary dimensions of social stratification:
- (i) ascription and achievement; (4 marks)
- (ii) abomination of the body and blemishes of character. (4 marks)

15. (a) With the aid of diagrams, explain each of the following relationships within a family:
- (i) a coalition; (5 marks)
 - (ii) detouring; (5 marks)
 - (iii) scapegoating. (5 marks)
- (b) List any five values that enhance creation of a just society. (5 marks)

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