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HUMAN ECOLOGY AND ECONOMICS
Oct./Nov. 2018
Time: 3 hours

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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 the questions in this section.

1. Explain the importance of symbolic interactionism theory in human development. (4 marks)
2. Distinguish between religion and spirituality as used in general social systems. (4 marks)
3. Define the following terms as used in moral development within a society:
 - (a) value; (2 marks)
 - (b) moral. (2 marks)
4. State any **four** factors that have led to the decline in human population growth. (4 marks)
5. (a) Define the term 'national income'. (2 marks)
(b) State any **two** ways of measuring national income. (2 marks)
6. Explain the effects of inflation on functions of money. (4 marks)
7. State any **four** barriers to international trade addressed by economic integration. (4 marks)
8. Explain the following as used in international trade:
 - (a) balance of payments; (2 marks)
 - (b) terms of trade. (2 marks)
9. State any **four** benefits to an individual operating a sole proprietorship business. (4 marks)
10. Distinguish between maximum price controls and minimum price controls. (4 marks)

SECTION B (60 marks)

Answer any THREE questions from this section.

11. (a) (i) Define the term production. (2 marks)
(ii) Explain the significance of mobility of factors of production to an economy. (8 marks)
- (b) With the aid of graphs, distinguish between movements along supply curve and a shift in the supply curve. (10 marks)

12. (a) Table I shows the relationship between fixed cost, variable costs and total costs.

Table I

Output	Total Fixed Costs (Ksh.)	Total variable Costs (Ksh.)	Total Costs (Ksh.)
0	50		50
1		20	70
2	50	30	
3		35	85
4		45	95
5	50	65	
6	50		160

- (i) Fill in the missing figures in Table I. (7 marks)
- (ii) Draw a graph showing the relationship of costs in the completed table in (i). (3 marks)
- (b) Explain any **five** factors which have prompted the Government of Kenya to encourage creation of small enterprises (SMEs). (10 marks)
13. (a) (i) State the psychoanalytic theory. (2 marks)
- (ii) Describe **five** fundamental assumptions of the psychoanalytic theory. (10 marks)
- (b) Describe **four** stages in the development of a social group. (8 marks)
14. (a) With reference to family systems and roles, explain the effect of multi-generational transmission process. (12 marks)
- (b) With the aid of a family structure mapping, explain the following:
- (i) enmeshment in parent-child sub-system; (4 marks)
- (ii) disengagement within parental sub-system. (4 marks)



15. (a) (i) Distinguish between internal and external economies of scale. (4 marks)
- (ii) Explain the contribution of external economies of scale in formulating policies on location of industries in Kenya. (10 marks)
- (b) Explain any three moral duties of employers to employees. (6 marks)



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