2922/105
HUMAN ECOLOGY AND ECONOMICS
Oct./Nov. 2021
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 an answer booklet 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 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 3 printed pages.

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

Turn over

SECTION A (40 marks)

Answer ALL the questions in this section.

1. State **four** circumstances under which a manufacturing firm would be located near the market for its product. (4 marks)

2. State **four** disadvantages of concentrating industries in one area within a county. (4 marks)

3. For each of the following statements, identify whether it is a supply or demand factor:

   (a) changes in the prices of inputs; (1 mark)

   (b) changes in tastes and preferences; (1 mark)

   (c) changes in technology; (1 mark)

   (d) changes in outcomes. (1 mark)

4. State any **four** advantages of Kenya having bilateral trade relations with Tanzania. (4 marks)

5. Explain how the concepts of scarcity, choice and opportunity cost affect life. (4 marks)

6. List any **four** causes of internal displacement of individuals in Kenya. (4 marks)

7. State **four** ways in which upholding of societal values is beneficial to a school. (4 marks)

8. Distinguish between the type of social groupings at home and at school. (4 marks)

9. Distinguish between spousal and sibling subsystems found in a family. (4 marks)

10. State any **four** advantages of division of labour. (4 marks)

SECTION B (60 marks)

Answer any THREE questions from this section.

11. (a) (i) Define the term motivation. (2 marks)

    (ii) Draw Maslow's pyramid describing the hierarchy of human needs. (6 marks)

    (iii) Explain the application of each level of Maslow's theory to real life situation. (10 marks)

    (b) State **two** principles of quality management in business organization. (2 marks)

12. (a) (i) Distinguish between efficiency and effectiveness as used in employee performance. (4 marks)
        (ii) Explain any **three** factor which affect performance of an employee in an organization. (6 marks)

    (b) (i) Draw diagrams to describe symmetrical and complementary relations in structural family theory. (4 marks)
        (ii) Explain the symmetrical and complementary relationships. (6 marks)

13. (a) Explain **five** reasons why budgeting is important to business organization. (10 marks)

    (b) Describe each of the following as used in economics:

        (i) elastic demand; (1 mark)
        (ii) inelastic demand. (1 mark)

    (c) Sketch labelled curves describing elastic demand and inelastic demand. (8 marks)

14. (a) (i) Define the term inflation. (2 marks)
        (ii) Explain **five** negative effects of inflation on the economic power of consumers in Kenya. (10 marks)

    (b) Explain **four** benefits of cost of living index in an economy. (8 marks)

15. (a) Match each of the following factors of production with the correct reward. (4 marks)

Factor of Production	Reward
Land/Natural resources	Interest
Labour	Rent
Capital	Salary/wage
Entrepreneurship	Profit/loss

    (b) (i) Define the concept of constant returns to scale. (2 marks)
        (ii) With the aid of a diagram, explain the concept of constant returns to scale using labour and capital. (8 marks)

    (c) State any **three** characteristics of a sole proprietorship. (6 marks)

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