2922/205
ENVIRONMENTAL RESOURCE
MANAGEMENT AND ECONOMICS
Oct./Nov. 2022
Time: 3 hours

THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY
MODULE II

ENVIRONMENTAL RESOURCE MANAGEMENT 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 3 printed pages.

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

Turn over

SECTION A (40 marks)

Answer ALL questions in this section.

1. (a) Explain the economic approach to environmental resource management. (2 marks)

   (b) State **two** advantages of taxes as a tool of economic resource management. (2 marks)

2. Match the following nature of air pollution to their respective source. (4 marks)

Nature	Source
Mobile	Windblown dust
Stationery	Agricultural
Locational	Industrial
Natural	Cars

3. Name **four** major mineral resources found in Kenya. (4 marks)

4. Define each of the following as used in environment management:

   (a) ecological restoration; (2 marks)

   (b) recreation. (2 marks)

5. State **four** economic contribution of wetland resources in Kenya. (4 marks)

6. Distinguish between bilateral and multilateral trade relations. (4 marks)

7. State **four** factors which may hasten economic development in a country. (4 marks)

8. Explain the costs that must be incurred for economic growth to occur in a country. (4 marks)

9. State **four** recommendations that can help reduce unemployment among the youth in Kenya. (4 marks)

10. Describe **two** main features of import substitution industries in Kenya. (4 marks)

SECTION B (60 marks)

Answer any THREE questions from this section.

11. (a) Explain **five** factors which have hindered exploitation of gold deposits in Kenya.
(10 marks)

(b) State **five** reasons why the government of Kenya has been setting up irrigation schemes.
(10 marks)

12. (a) Explain **five** measures adopted by the Kenya Government to safeguard wildlife resources.
(10 marks)

(b) (i) Define the term 'poverty'. (2 marks)
(ii) Explain **four** causes of poverty in Kenya. (8 marks)

13. Developing countries have experienced persistent and rising levels of debt in the recent past.

(a) Explain the major causes of this scenario. (10 marks)

(b) Explain economic policy measures which may be used to mitigate the problem of debts.
(10 marks)

14. (a) (i) Define the term 'unemployment'. (2 marks)
(ii) State **eight** policy measures which can be applied to solve the problem of unemployment in Kenya.
(8 marks)

(b) (i) Define the term 'industrialisation'. (2 marks)
(ii) Explain **four** benefits of industrialisation in developing countries. (8 marks)

15. (a) (i) With aid of a labelled diagram, distinguish between economic growth and economic development.
(6 marks)
(ii) Explain the nature of the curve in (i) above. (2 marks)

(b) Distinguish between United Nation Human Development Index and Human Poverty Index as a measure of economic development. (4 marks)

(c) Explain **four** benefits of Kenya being a member of a trading block. (8 marks)

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