

2528/205

2922/205

ENVIRONMENTAL RESOURCE
MANAGEMENT AND ECONOMICS

June/July 2020

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 indicated.

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.

SECTION A (40 marks)

Answer ALL questions in this section.

1. With the use of a graph, differentiate between actual economic growth and potential economic growth. (4 marks)
2. Distinguish between Bilateral trade and multilateral trade. (4 marks)
3. Name **four** ways of servicing international debt. (4 marks)
4. Explain the difference between open involuntary unemployment and seasonal unemployment. (4 marks)
5. Describe economic approach to environmental natural resource management. (4 marks)
6. State **four** effects of air pollution on the environment. (4 marks)
7. Name **four** endangered animal species found in Kenya. (4 marks)
8. List **four** economic significance of marshes. (4 marks)
9. (a) Define deforestation. (2 marks)
(b) State **two** unintentional causes of deforestation. (2 marks)
10. State **four** economic effects of rural-urban migration on the rural community. (4 marks)

SECTION B (60 marks)

*Answer any **THREE** questions from this section.*

11. (a) Explain **five** strategies being undertaken by the Government of Kenya in mitigation of the challenges on urban housing. (10 marks)
(b) Explain the rationale behind protection of the endangered species. (10 marks)
12. (a) (i) Define the term 'aridity'. (2 marks)
(ii) Describe any **five** anthropogenic factors that cause desertification. (10 marks)
(b) Explain the effects of climate change in Kenya. (8 marks)

13. (a) (i) Define vicious circle of poverty. (2 marks)
- (ii) With the use of a labelled diagram, explain the vicious circle of poverty as a factor limiting economic growth in developing countries. (8 marks)
- (b) Explain any five policies used to combat unemployment in developing countries. (10 marks)
14. (a) Define economic integration. (2 marks)
- (b) Explain five advantages of economic integration to member states. (10 marks)
- (c) Explain four benefits which accrue to a country as a result of economic growth. (8 marks)
15. (a) Explain four mitigation measures which the government can take to reduce the conflict between economic growth and environment conservation. (12 marks)
- (b) Explain the effects of loosing wetland in the ecosystem. (8 marks)

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