

2528/205
2922/205
ENVIRONMENTAL RESOURCE
MANAGEMENT AND ECONOMICS
June/ July 2016
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;

A 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.

Do NOT remove any pages from this question paper.

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 the questions in this section.

1. Define the following terms as used in resource management:
 - (a) resources; (2 marks)
 - (b) management. (2 marks)
2. Rural - urban migration has been blamed for causing population imbalances. State any four circumstances that cause movement of people from urban to rural areas. (4 marks)
3. State any four causes of soil erosion in Kenya. (4 marks)
4. Explain the concept 'environmental sustainability'. (4 marks)
5. Distinguish between swamps and fens. (4 marks)
6. Explain the following non-concessional International Monetary Fund (IMF) facilities:
 - (a) Compensatory Financing Facility (CFF); (2 marks)
 - (b) Emergency Assistance (EA). (2 marks)
7. State any four contributions of rural-urban migration to unemployment. (4 marks)
8. Draw a vicious circle that demonstrate four factors that contribute to poverty in a country. (4 marks)
9. Distinguish between import substitution and export promotion strategies for industrialization. (4 marks)
10. State any four human activities that have contributed to land degradation. (4 marks)

SECTION B (60 marks)

Answer any THREE questions from this section.

11. (a) Unemployment has been on the rise in developing countries. Explain any five mitigating measures that can be used to reduce the trend. (10 marks)
- (b) Explain any five factors that hinder industrial development in Kenya. (10 marks)
12. (a) Explain any five problems facing economic integration in East African Community (EAC). (10 marks)
- (b) (i) Define the term 'Balance of Payments'. (1 mark)
- (ii) Explain any three policy measures that deal with Balance of Payments deficit. (9 marks)
13. (a) Explain any five consequences of closing down a mining company to the Kenyan economy. (10 marks)
- (b) Table 1 shows various minerals and their mining centres in Kenya. Match the chemicals to their respective mining centre. (5 marks)

Table 1

Chemical	Mining Centres
Soda ash	Voi Mwatate
Gemstones	Lake Magadi
Limestones	Bamburi
Salt	Kerio Valley
Flousspar	Lake Magadi

- (c) High per capita resource consumption is as a result of elevated standards of living. Explain the correlation between Gross National Product (GNP) and energy consumption. (5 marks)
14. (a) Explain five implications of Green Revolution on the environment. (10 marks)
- (b) Explain any five contributions of irrigation schemes to Kenyan economy. (10 marks)
15. (a) Explain any five reasons that have made the educated youth in East Africa not to fully engage in productive farming. (10 marks)
- (b) Explain any five contributions of 'Jua Kali' sector towards vision 2030. (10 marks)

THIS IS THE LAST PRINTED PAGE.