

2528/205
2922/205
ENVIRONMENTAL RESOURCE
MANAGEMENT AND ECONOMICS
June/July 2017
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 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.

SECTION A (40 marks)

Answer ALL the questions from this section.

1. Explain the following measures for controlling desertification:
 - (a) afforestation; (2 marks)
 - (b) agroforestry. (2 marks)
2. State any **four** tourism attractions in Kenya. (4 marks)
3. List any **four** measures that mitigate the problems faced by urban centres in Kenya. (4 marks)
4. State any **four** factors that contribute to the decreasing agricultural production in Kenya. (4 marks)
5. State any **four** elements of present-day environmental planning. (4 marks)
6. Describe any **two** limitations of the import substitution policy in Kenya. (4 marks)
7. Use a cyclic diagram to describe how capital, savings, productivity and income relate in such a way as to become obstacles to economic development. (4 marks)
8. State any **four** strategies that can be used to alleviate the debt crisis in developing countries. (4 marks)
9. (a) Define the concept 'economic growth'. (1 mark)
(b) State any **three** benefits of economic growth to a developing country. (3 marks)
10. Explain the following types of unemployment witnessed in Kenya:
 - (i) open involuntary unemployment; (2 marks)
 - (ii) disguised or hidden unemployment. (2 marks)



SECTION B (60 marks)

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

11. (a) Explain any five applications of energy resources in Kenya. (10 marks)
- (b) Explain any five challenges faced by hydroelectric power projects in Kenya. (10 marks)
12. (a) Explain the concept 'environmental planning'. (5 marks)
- (b) Explain the contributions of the following factors to poverty levels:
- (i) economic diversity; (5 marks)
 - (ii) opportunity; (5 marks)
 - (iii) corruption. (5 marks)
13. Explain any five economic significance of the following natural resources in Kenya:
- (a) mountainous resources; (10 marks)
- (b) swamps. (10 marks)
14. (a) (i) Define 'economic integration'. (2 marks)
- (ii) Explain any four benefits that Kenya derives by virtue of being a member of COMESA. (8 marks)
- (b) Explain any five challenges encountered in development planning at the plan formulation stage. (10 marks)
15. (a) (i) Define 'balance of payment disequilibrium'. (2 marks)
- (ii) Explain any four factors that cause balance of payment disequilibrium in Kenya. (8 marks)
- (b) Explain any five consequences of high unemployment rate in Kenya. (10 marks)

THIS IS THE LAST PRINTED PAGE.

08 AUG 2017

