

1918/206
1919/206
FAUNA, FLORA AND
ENVIRONMENTAL STUDIES
July 2019
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN TOUR GUIDING OPERATIONS
CRAFT CERTIFICATE IN TOUR GUIDING AND TRAVEL OPERATIONS

MODULE II

FAUNA, FLORA AND ENVIRONMENTAL STUDIES

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of TWO sections: A and B.

Answer ALL questions in section A and any FOUR questions from section B in the answer booklet provided.

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 (32 marks)

Answer **ALL** questions from this section.

1. Outline **four** characteristics of moss plants. (4 marks)
2. Name **two** categories of aquatic ecosystems. (2 marks)
3. Outline **three** dangers that primates may pose to visitors at an attraction site. (3 marks)
4. Name **two** species of ostriches that are found in Kenya. (2 marks)
5. Outline **four** ways through which insects feed. (4 marks)
6. Name **three** types of marine mammals that are found in Kenya. (3 marks)
7. Outline **four** threats that sea turtles face in the marine ecosystem. (4 marks)
8. Outline **four** adaptational characteristics of xerophytes leaves. (4 marks)
9. List **three** types of the ecological pyramids. (3 marks)
10. Outline **three** negative effects of offroad driving in wildlife conservation areas. (3 marks)

SECTION B (68 marks)

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

11. (a) Explain **six** uses of seaweeds that are harvested from the marine ecosystems. (9 marks)
- (b) Describe **four** structural adaptations that animals have developed in order to survive in arid and semi-arid ecosystems. (8 marks)
12. (a) Outline **six** ways in which the African savannah elephants use their tusks. (9 marks)
- (b) Explain **four** roles that the Marabou stork play in urban habitats. (8 marks)
13. (a) Explain **six** ways in which local communities may benefit from amphibians in the aquatic environment. (9 marks)
- (b) Bees are vital insects that facilitate pollination of flowers in the ecosystem. Explain **four** threats that these insects encounter that make them vulnerable. (8 marks)

14. (a) Outline **four** differences between frogs and toads. (8 marks)
- (b) Explain **six** uses of the coconut palm tree to the coastal communities of Kenya. (9 marks)
15. (a) Outline **four** traditional conservation practices that were used by Kenyan communities. (8 marks)
- (b) Explain **six** measures that have been taken in order to minimize human-wildlife conflict around national parks and reserves in Kenya. (9 marks)

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