

1918/206

1919/206

**FAUNA, FLORA AND
ENVIRONMENTAL STUDIES**

November 2018

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.*

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 (32 marks)

Answer ALL the questions in this section.

1. List **four** characteristics of ferns. (4 marks)
2. Outline **three** relationships between different species in ecosystems. (3 marks)
3. Name **two** categories of mammals with hooves. (2 marks)
4. List **three** types of game birds that are found in East Africa. (3 marks)
5. Name **three** species of tortoises that are found in Kenya. (3 marks)
6. Outline **four** insects that may cause harm to communities in East Africa. (4 marks)
7. Name **four** marine organisms that are classified under echinoderms. (4 marks)
8. Outline **four** factors that affect the distribution of plants in ecosystems. (4 marks)
9. Outline **three** forms of ownership of wild life protected areas in destinations. (3 marks)
10. Outline **two** types of succession in the kingdom plantae. (2 marks)

SECTION B (68 marks)

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

11. (a) Outline **six** tourism activities that can be undertaken in the montane ecosystem of East Africa. (9 marks)
- (b) Describe **four** observable features of eagles that distinguish them from other birds of prey. (8 marks)
12. (a) Explain **four** ways in which the burchell's zebra survive predation in the savanna grassland. (8 marks)
- (b) Outline **six** characteristics of the Nile crocodile that is found in the Mara River. (9 marks)
13. (a) Describe **four** aspects of snakes that can be highlighted by tour guides to students during an academic tour. (8 marks)
- (b) Explain **six** challenges posed by insects at tourist destinations. (9 marks)
14. (a) Outline **six** measures that can be put in place to prevent possible extinction of sea turtles at the East African coast. (9 marks)
- (b) Outline **four** threats that are posed by invasive plant species in destinations. (8 marks)
15. (a) Explain **six** causes of human-wildlife conflicts in protected areas. (9 marks)
- (b) Describe **four** ways in which plants are adapted to survive in desert ecosystems. (8 marks)

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