

Name \_\_\_\_\_ Index No. \_\_\_\_\_

1918/206 \_\_\_\_\_ Candidate's Signature \_\_\_\_\_  
1919/206 \_\_\_\_\_FAUNA, FLORA AND  
ENVIRONMENTAL STUDIES

Date \_\_\_\_\_

July 2013

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***Write your name and index number in the spaces provided above.**Sign and write the date of the examination in the spaces provided above.**This paper consists of SEVENTEEN questions in TWO Sections; A and B.**Answer ALL the questions in Section A in the spaces provided after each question.**Answer any FOUR questions in Section B in the spaces provided after question 17.**Candidates should answer the questions in English.***For Examiner's Use Only**

Section	Question	Maximum Score	Candidate's Score
A	1 - 12	32	
B	13	17	
	14	17	
	15	17	
	16	17	
	17	17	
Total Score			

**This paper consists of 16 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 in this Section in the spaces provided after each question.

1. State **two** systems used in classifying living things. (2 marks)

---



---



---



---

2. Identify **four** habitats where mammals are found in Kenya. (4 marks)

---



---



---



---



---



---



---



---

3. List **three** items used in bird watching. (3 marks)

---



---



---



---



---

4. State **two** members of the Class Amphibia which can be utilised for tourism. (2 marks)

---



---



---



---

Identify **three** harmful insects found in East Africa. (3 marks)

---

---

---

---

---

---

6. List **three** characteristics of fishes. (3 marks)

---

---

---

---

---

---

7. State **two** differences between monocotyledon and dicotyledon plants. (2 marks)

---

---

---

---

8. List **four** abiotic components of the environment. (4 marks)

---

---

---

---

---

---

---

---

9. State **two** types of energy flow pyramids in the ecosystem.

---

---

---

---

10. Identify **two** methods of conservation of natural resources. (2 marks)

---

---

---

---

11. List **two** reasons why mankind should conserve the environment. (2 marks)

---

---

---

---

12. State **three** positive economic outcomes of eco-tourism. (3 marks)

---

---

---

---

---

---

---

**SECTION B (68 marks)**

Answer any **FOUR** questions from this Section in the spaces provided after question 17.

13. (a) Highlight **six** causes of human-wildlife conflict in areas found around national parks and reserves in Kenya. (9 marks)
- (b) Outline **four** positive impacts of eco-tourism on the environment. (8 marks)
14. (a) Explain **six** ways birds are utilised by mankind. (9 marks)
- (b) Highlight **four** roles of environmental organisations in conservation. (8 marks)
15. (a) Snakes are among the most popular reptiles. Outline **four** ways they are utilised by mankind. (8 marks)
- (b) Mau Forest is an important water tower in Kenya that has been degraded. Explain **six** ways that can be used in rehabilitation of the forest. (9 marks)
16. (a) Highlight **four** ways insects are beneficial to the tourism industry. (8 marks)
- (b) Explain **six** ways of controlling environmental pollution. (9 marks)
17. (a) Describe **four** adaptations of vegetation to tropical forest ecosystems. (8 marks)
- (b) Explain **six** benefits of plants to mankind. (9 marks)