

Name: _____

Index No. _____ / _____

1918/206

1919/206

FAUNA, FLORA AND
ENVIRONMENTAL STUDIES

November 2015

Time: 3 hours



Candidate's Signature: _____

Date: _____

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 examination in the spaces provided above.**This paper consists of FIFTEEN (15) questions in TWO sections: A and B.**Answer ALL questions in Section A and any FOUR from Section B in the spaces provided in this question paper.**All questions carry equal marks.**Do NOT remove any page from this booklet.**Candidates should answer the questions in English.***For Examiner's Use Only**

Sections	Questions	Maximum Score	Candidate's Score
A	1-10	32	
B	11	17	
	12	17	
	13	17	
	14	17	
	15	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.

1. Name the **two** classes of animals that tour guides should study in herpetology. (2 marks)

2. State the **three** aquatic ecosystems that serve as tourist attraction in Kenya. (3 marks)

3. State the **four** rules that are used by taxonomists when giving scientific names to organisms. (4 marks)

4. Name **four** green house gases that may be emitted in a popular tourist destination. (4 marks)

5. List the **four** types of indigenous giraffes that may be encountered by tourists visiting Kenya. (4 marks)

6. State **three** ways through which birds communicate amongst themselves. (3 marks)

7. Mention **three** common characteristics of trees found in savannah ecosystem. (3 marks)

8. Give **three** reasons why insects are classified as arthropods. (3 marks)

9. List **two** major groups of fish that tourists may encounter in the Indian Ocean along the East African coast. (2 marks)

10. Give **four** aims of environmental education in a destination. (4 marks)

SECTION B: (68 marks)

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

11. (a) Explain **four** kingdoms into which organisms found in East Africa are classified. (8 marks)
- (b) Identify **six** abiotic factors that explain the distribution of fauna and flora in East Africa. (9 marks)
12. (a) Outline **four** reasons why East African mammals are classified as chordates. (8 marks)
- (b) Explain **six** factors that have led to the decline of amphibians in East Africa. (9 marks)
13. (a) Differentiate between a butterfly and a moth wing morphological and behavioural characteristics. (9 marks)
- (b) Describe **four** aspects that are used by tour guides to differentiate monocots and dicots in the field. (8 marks)
14. (a) Outline **six** areas of conservation that affect development of tourism in a destination. (9 marks)
- (b) Identify **four** groups into which marine organisms in a destination are classified. (8 marks)
15. (a) Identify **six** benefits of birds in tourism destinations. (9 marks)
- (b) Explain **four** guidelines that are embraced by eco-tourism in a destination. (8 marks)