

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ECOTOURISM MANAGEMENT AND BACHELOR OF TOURISM MANAGEMENT

WIEM 102: INTRODUCTION TO EAST AFRICA FLORA AND FAUNA

STREAMS: BECO, BTOM Y2S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 03/12/2019

11.30 AM – 1.30 PM

INSTRUCTIONS:

- Answer ALL Questions in Section A and any Two in Section B
- Do not write on the question paper

SECTION A (30 MARKS)

1. Explain the factors that make Kenya a mega-diverse country in terms of biodiversity. [5 marks]
2. Suppose you came across a “strange” plant in the wilderness. Explain five possible methods you would use to identify the plant. [5 marks]
3. Explain five co-evolutionary features of prey and predators. [5 marks]
4. Explain the meaning of the following terms using one example in each case
 - (a) Precocial young [1 mark]
 - (b) Kin selection [1 mark]
 - (c) Echolocation [1 mark]
 - (d) Parental investment [1 mark]
 - (e) Home range [1 mark]
5. Suppose as a team you need to go for a field excursion by foot in a wildlife park. Give five safety guidelines you would follow to avoid being attacked by wild animals. [5 marks]

6. With the aid of simple sketch diagrams, describe the following morphological characteristics of a given plant:
- (a) Palmate leaf venation [1 mark]
 - (b) Truncate leaf apex [1 mark]
 - (c) Actinomorphic flower [1 mark]
 - (d) Opposite phyllotaxy [1 mark]
 - (e) Entire leaf margin [1 mark]

SECTION B (40 MARKS)

7. Discuss the influence of fire in the East African Savannas. [20 marks]
8. Discuss the physical characteristics, habitat, reproduction and social behavior of the African elephant. [20 marks]
9. Discuss in detail the strategies that can be used to overcome the challenges facing conservation of East African Flora and Fauna. [20 marks]
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