

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR  
OF SCIENCE IN WILDLIFE ENTERPRISE AND MANAGEMENT

WIEM 426: BEHAVIOURAL ECOLOGY

STREAMS: BSC (WIEM) Y4S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 26/03/2021

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any TWO in section B
- Section A carries 30 marks and section B 40 marks
- Do not write on the question paper

SECTION A (30 MARKS)

- Q1. Elaborate on two major factors that influence mate choice in animal behaviour  
[6 marks]
- Q2. Explain the significance of courtship behaviour in animals [6 marks]
- Q3. Explain why behavioural adaptations occur in living organisms [6 marks]
- Q4. Give a brief explanation of the concept “evolutionary stable strategy” [6 marks]
- Q5. Briefly discuss pheromonal communication in animals [6 marks]

SECTION B: 40 MARKS

- Q6. Discuss four mating systems observed in animals and cite specific examples in each  
[20 marks]
- Q7. Discuss the components of the foraging process in animals [20 marks]
- Q8. Discuss the different levels of analysis in animal behaviour [20 marks]