



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF (SCIENCE IN BIORESOURCE
MANAGEMENT AND CONSERVATION)**

COURSE CODE: SBC 423

COURSE TITLE: WILDLIFE FEEDING ECOLOGY

DATE: 20TH JANUARY 2022 TIME: 11.00 – 1.00 PM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over

KIBU observes ZERO tolerance to examination cheating

1. [a] Define: (4 Marks)

[i] Hibernation

[ii] Stock rate

[iii] Forage quality

[iv] Digestible energy

[b] – What is the role of micro-organisms in the rumen. (4 Marks)

[c] Explain three abiotic factors that affect wildlife biodiversity. (6 Marks)

[e] List chemical compounds in forage that enhances palatability to wildlife. (4Marks)

[f] How does physiological drought affect aquatic wildlife survivorship? (4 Marks)

[g] Explain four non-chemical defense mechanisms in wildlife. (8Marks)

2. Describe the adaptations of wildlife to marine habitat. (20 Marks)

3. Essay on Bioenergetics of wildlife

4. Discuss mitigation measures against locusts' invasion into wildlife habitats. (20 Marks)

5. Describe comparative functionality of ruminants' digestive system.. (20 Marks)