



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER MAIN EXAMINATION

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

COURSE CODE: SBC 423

COURSE TITLE: WILDLIFE FEEDING ECOLOGY

DATE: THURSDAY 7th, October 2021. TIME: 2:00 -4:00 p.m.

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

QUESTION ONE

[a] Define the following terminology and concepts

(4 Marks)

[i] Endotherm

[ii] Fodder conservation

[iii] Forage quantity

[iv] Basal Metabolic Rate

[b] Outline four determinants of supplementary feeding in wildlife.

(4Marks)

[c] Explain three adaptive radiations of wildlife to temperate habitats.

(6Marks)

[d] With examples, describe three feeding strategies in wildlife.

(6 Marks)

[e] List four principal nutrients that are scarce in rangeland forage.

(4Marks)

[f] State four categories of grazing habits of wildlife herbivores.

(4Marks)

[g] What is the essence digestibility in wildlife nutrition?

(2Marks)

QUESTION TWO

Discuss the factors influencing food palatability and preferences in wildlife management.

(20 Marks)

QUESTION THREE

Write an essay on wildlife grazing management.

(20 Marks)

QUESTION FOUR

Discuss mitigation measures against wildlife insect vectors.

(20 Marks)

QUESTION FIVE

Give a detailed account of the comparative functionality of non-ruminants.

(20 Marks)