



FACULTY OF BUSINESS MANAGEMENT
END OF SEMESTER EXAMINATIONS - APRIL 2025

PROGRAMME: BTHM

YEAR/SEM: YEAR 1/SEMESTER 2

COURSE CODE: BTHM 1203

NAME: ANIMAL ECOLOGY

DATE: 2025-04-14

TIME: 2:00-5:00PM

INSTRUCTIONS TO CANDIDATES:

1. Read the instructions very carefully
2. The time allowed for this examination is STRICTLY three hours
3. Read each question carefully before you attempt and allocate your time equally between all the Sections
4. Write clearly and legibly. Illegible handwriting cannot be marked
5. Number the questions you have attempted
6. Use of appropriate workplace examples to illustrate your answers will earn you bonus marks
7. Any examination malpractice detected will lead to automatic disqualification.

DO NOT WRITE ANYTHING ON THE QUESTION PAPER

Section A Section A is COMPULSORY (40 MARKS)

Question 1:

Acase study on Elephants.

In Botswana's Okavango Delta, elephants have adapted to their environment in unique ways, showcasing their complex ecology. These majestic creatures have developed defensive mechanisms, such as forming close-knit family groups and using their large ears to deter predators. Elephants also play a crucial role in shaping their ecosystem, dispersing seeds and creating pathways that benefit other species. In the tourism industry, elephants are a major draw, with visitors flocking to witness their social behavior and majesty. Responsible tourism practices, such as guided safaris and respectful viewing distances, help support conservation efforts and promote the importance of preserving elephant habitats.

Questions:

- (a) Examine the defensive mechanisms exhibited by elephants while defending themselves from enemies (10 marks)
- (b) Describe the contributions of elephants to their ecosystem, and benefits other species derive from their presence (10 marks)
- (c) As a tour guide on one of your tails, you happen to see an elephant, what would be your description of this majestic creature to your clients the tourists? (10 marks)
- (d) Examine the causes and consequences of human-wildlife conflicts. Elaborate no how human wildlife conflicts can be mitigated (10 marks)

Section B Attempt any THREE Questions from this Section (60 MARKS)

Question 1:

- (a) Discuss the role of climate change in threatening wildlife populations and ecosystems (10 marks)
- (b) Describe how tourism operators can contribute to mitigation and adaptation efforts (10 marks)

Question 2:

- (a)Examine the impact of human activities on wildlife populations and habitats. (15 marks)
- (b)Examine the consequences of habitat loss and destruction to wildlife conservation. (5 marks)

Question 3:

Discuss the concept of "wildlife tourism" and its potential impacts on wildlife populations and ecosystems. Examine the benefits and drawbacks of wildlife tourism (20 marks)

Question 4:

Discuss the unique characteristics of birds, Explain how these characteristics enable birds to adapt to different environments. (20 marks)

Question 5:

Discuss the importance of adaptation in enabling animals to survive in different environments. Provide examples of adaptations in different animal groups. (20 marks)

Question 6:

. (a) Identify the following animal and classify it to its correct kingdom, phylum, class, order, family, genus, and species:

A massive, intelligent, and social mammal with a distinctive trunk, tusk and large ears characterized by its gray wrinkled skin and pillar- like leg found in Uganda's Savanah grasslands.

a) Kingdom: _____ (1 mark)

b) Phylum: _____ (1 mark)

c) Class: _____ (1 mark)

d) Order: _____ (2 mark)

e) Family: _____ (2 mark)

f) Genus: _____ (2 mark)

g) Species: _____ (2 mark)

(b) Describe the key distinctions between Omnivores and herbivores animals which enable them to occupy unique ecological niches (9 Marks)