



TECHNICAL UNIVERSITY OF MOMBASA

School of Humanities and Social Sciences

Department of HOSPITALITY & Tourism MANAGEMENT

UNIVERSITY EXAMINATION FOR THE:
DIPLOMA IN TOURISM MANAGEMENT (DTM S24)
BHT 2109: ECOLOGY AND TOURISM
END OF SEMESTER EXAMINATION

SERIES: MAY 2025

TIME: 2 HOURS

DATE: Pick Date May 2025

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

SECTION A (Answer all the questions)

30 POINTS

QUESTION ONE

a) Explain the following concepts as used in Ecology:

(10 marks)

- i. Ecology niche
- ii. Detritus food chain
- iii. Biome
- iv. Energy flow
- v. Eutrophication

b) Outline any **FIVE** factors that contribute to vulnerability of wildlife to disturbance created by tourism activities.

(10 marks)

c) Explain **FIVE** categories of Ecosystems.

(10 Marks)

SECTION B (Answer only TWO questions)

QUESTION TWO

- a) Explain any **FIVE** types of food webs. **(10 marks)**

- b) Explain any **FIVE** impacts of climate change on the human environment. **(10 Marks)**

QUESTION THREE

- c) Explain **FIVE** ways in which tourism can positively contribute to conservation of natural environment. **(10 marks)**

- d) Outline any **FIVE** conservation values of Kenya's savannah ecosystem. **(10 marks)**

QUESTION FOUR

- a) Outline any **FIVE** types of Ecosystem management. **(10 marks)**

- b) Outline any **FIVE** principles of Ecosystem management. **(10 marks)**

QUESTION FIVE

- a) Discuss five major sources of air pollution and suggest measures to control them. **(10 Marks)**

- b) Explain five ways Kenya's tourism industry can reduce its carbon footprint. **(10 Marks)**