



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

DEPARTMENT OF HOSPITALITY MANAGEMENT

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN HOSPITALITY AND TOURISM MANAGEMENT

DTM 052: TOURISM AND ENVIRONMENT

DATE: 18/4/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

- a) Define the following terms as used in tourism and environment. (10 marks)
- i. Ecosystem
 - ii. Ecology
 - iii. Heterotrophs
 - iv. Autotrophs
 - v. Habitat
- b) Name five greenhouse gases. (5 marks)
- c) Describe the two major types of environment. (4 marks)
- d) With the help of a diagram, Describe the following:
- i. Food chain (3 marks)
 - ii. Food web (3 marks)
- e) Explain five categories of environmental resources used by tourism (10 marks)

QUESTION TWO (20 MARKS)

- a) Tourists purchase a right to access unspoiled environments to sample them. In this sense tourism can be interpreted as a form of consumerism in relation to the environment. Explain five ways tourist consumer the environment. (10 marks)
- b) The Mara River which originates from Mau Forest is on the verge of drying, you are working in the ministry of Tourism and the Cabinet Secretary has send you to Narok county to mitigate on issues affecting the mara ecosystem, Explain to the delegates the role played by the government in enhancing tourism management to ensure ecological sustainability (10 marks)

QUESTION THREE (20 MARKS)

- a) i) Define the term environmental carrying capacity (2 marks)
- ii) Explain the importance of implementing the concept of environmental carrying capacity. (6 marks)
- b) Describe the three types of environmental carrying capacity. (12 marks)

QUESTION FOUR (20 MARKS)

- a) Explain how abiotic components support life in an ecosystem (10 marks)
- b) You are the chief conservationist at the lewa dawns, in the past two months you have realized that the conservancy has degraded. Explain five visitor management techniques that you can employ to ensure the conservancy is restored back to its former glory. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Explain the three main tourism impacts areas on the environment. (12 marks)

- b) Explain five ways in which tourism contributes positively to environmental conservation.
(10 marks)