TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Business & Social Studies

DEPARTMENT OF HOSPITALITY & TOURISM

DIPLOMA IN TOURISM MANAGEMENT

(DTM S13)

BHT 2109: ECOLOGY AND TOURISM

END OF SEMESTER EXAMINATIONS

SERIES: APRIL 2014

TIME: 2 HOURS

INSTRUCTIONS:

– This paper consists of Sections **A** and **B**.
– Section **A** is **Compulsory**. Answer any **TWO** questions in Section **B**.
– Mobile phones are not allowed into the examination room.
– Cheating leads to disqualification.
– ***This paper consists of Three printed pages.***

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SECTION A (Compulsory) 30 Marks

QUESTION 1

a) Explain the following concepts: **(10 marks)**
    i)   Ecology
    ii) Ecosystem
    iii) Biotic components
    iv) Carrying capacity
    v)   Eutrophication

b) Outline any **FIVE** factors that contribute to vulnerability of wildlife to disturbance created by tourism activities.   **(10 marks)**

c) "As change agents, tourists, can advertently or inadvertently can occasion physical damages on the natural environment due to their presence and activities anonymous. Discuss.   **(10 marks)**

SECTION B (Answer any **TWO** questions) 40 Marks

QUESTION 2

a) Explain how tourism can positively contribute to conservation of natural environment.   **(10 marks)**

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

QUESTION 3

a) With the aid of an appropriate diagram explain the flow of energy through a simplified marine ecosystem food chain.   **(10 marks)**

b) Write short notes on the following impacts of tourist activities:
    i)   Trampling
    ii) Off-road driving
    iii) Provisioning
    iv) Disturbance to feeding habits.   **(10 marks)**

QUESTION 4

Tourism carrying capacity assessment is emerging as an important tool in ecological planning and management of tourism. Write short notes on how tourism carrying capacity can be incorporated in natural area tourism planning process.   **(20 marks)**

QUESTION 5

a) Outline the key components of a hydrological cycle.   **(10 marks)**

b) Describe any **FIVE** visitor monitoring techniques used in natural area tourism management.

(10 marks)