



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

**SCHOOL OF BUSINESS, ECONOMICS AND HOSPITALITY AND TOURISM
MANAGEMENT**

DEPARTMENT OF HOSPITALITY MANAGEMENT

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (HOSPITALITY AND TOURISM MANAGEMENT)

BTM 372-2:-FLORA AND FAUNA OF EAST AFRICA

DATE:

TIME:

INSTRUCTIONS: Answer Question **One** (Compulsory) and any other **Two** questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) With and aid of a diagram identify the insects life cycle and explain 5 characteristics of an insects. (10 marks)
- b) The study of reptiles and amphibians is known as herpetology. Discuss the ecological and economic importance of these animals. (10 marks)
- c) According to Carlous Linnaeus scientific names are arrived at after classifying a certain plant or animal in the different ranks. Classify a common plant of your own choice and write down the scientific name. (8 marks)
- d) Highlight **two** general characteristics of mammals. (2 marks)

QUESTION TWO (20 MARKS)

- a) A census of flamingoes in Rift Valley showed that there has been a decrease in their population. Explain **FIVE** possible environmental threats that could have caused this situation and so Tourism has different positive and negative impacts on the flora and fauna. Lake Nakuru National Park has face some of this impacts. Demonstrate how you as a manager of Lake Nakuru National Park can help mitigate the problems the park is faces using examples. (10 marks)
- b) .Over the past decade, a number of wildlife species have greatly reduced. Explain **FIVE** ways that the government of Kenya may protect endangered flora and fauna. (10 marks)

QUESTION THREE

- a) Flora and fauna in the world are found in various regions known as biomes. Discuss in details using examples **five** of the world biomes. (10 marks)
- b) Explain the relevance of East Africa Flora and Fauna to the tourism industry. (10 marks)

QUESTION FOUR (20 MARKS)

Analyze the factors responsible for the extinction of flora and fauna being witnessed today across the world. based on your discussion, form a fair and a balanced conclusion on the given issue.

QUESTION FIVE (20 MARKS)

- a) Kenya's tourism is 80% wildlife-based. Discuss. (10 marks)
- b) As a tour guide addressing to tourism professionals, explain **four** objectives of environmental education that you include in your presentation. (10 marks)