# MACHAKOS UNIVERSITY

**University Examinations for 2024/2025 Academic Year**

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

**DEPARTMENT OF HOSPITALITY AND TOURISM**

**SECOND YEAR FISRT SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE IN HOSPITALITY AND TOURISM MANAGEMENT**

**BTM 200:-FLORA AND FAUNA OF EAST AFRICA**

**DATE:** **TIME:**

**INSTRUCTIONS:**
*Answer question **ONE (Compulsory)** and **any other TWO** questions*

**QUESTION ONE (30 MARKS)**

a) Define the term "ecosystem" and explain the biotic components. (10 Marks)

b) Describe the characteristics of plants and their importance in ecosystem. (10 Marks)

c) Discuss 5 key features that distinguish plants from other organisms? (10 Marks)

**QUESTION TWO (20 MARKS)**

a) Compare and contrast the characteristics of temperate forests and tropical rainforests. (10 Marks)

b) Discuss 5 factors that influence the distribution of flora and fauna in a given region. (10 Marks)

**QUESTION THREE (20 MARKS)**

a) Describe the emerging trends in flora and fauna conservation. (10 Marks)

b) Analyze 5 major challenges facing biodiversity conservation today? (8 Marks)

**QUESTION FOUR (20 MARKS)**

a) Evaluate 5 challenges and opportunities associated with human-wildlife conflicts. (10 Marks)

b) Using a diagram discuss the classification of kingdom plantae. (10 Marks)

**QUESTION FIVE (20 MARKS)**

a) Explain 5 characteristics of hot desert vegetation. (10 Marks)

b) Explain how Abiotic factors supports vegetation in an ecosystem. (10 Marks)