



# TECHNICAL UNIVERSITY OF MOMBASA

## *Faculty of Business & Social Studies*

DEPARTMENT OF HOSPITALITY & TOURISM

DIPLOMA IN TOURISM MANAGEMENT

(DTM S13)

**AES 2131: FLORA AND FLORA II**

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 Two printed pages.***

## SECTION A (Compulsory) 30 Marks

### QUESTION 1

- a) Highlight **FIVE** reasons that may explain why destinations with aquatic ecosystems should have naturalists equipped with ichthyology knowledge. **(10 marks)**
- b) You are preparing to take tourists on an angling tour. Highlight **SIX** types of equipments that you may require during this tour. **(12 marks)**
- c) Explain **FOUR** types of fish depending on their movement in salty, fresh and between both types of water. **(8 marks)**

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

### QUESTION 2

- a) Hanging out with other fish is an antipredator behaviour in schools of fish. Explain **THREE** ways in which this may be possible. **(6 marks)**
- b) Differentiate between poikilothermic and ectothermic behaviour in fish. **(6 marks)**
- c) Illustrate the Eons, Eras, periods and the epochs that naturalists, palaeontologists and ecologists use when explaining the evolution of the biosphere. **(8 marks)**

### QUESTION 3

- a) Trout fishing is a popular tourist activity in Kenya. Explain **FIVE** requirements of this activity to a tourist interested in undertaking it for the first time. **(10 marks)**
- b) While guiding tourists interested in studying Anurans in East Africa you are requested to brief them on how they can differentiate frogs and toads. Highlight to them **FIVE** differences between the two Anurans. **(10 marks)**

### QUESTION 4

- a) Describe the various groups of fish that are likely to be found in East Africa. **(10 marks)**
- b) When guiding tourists in fresh water ecosystems in a particular destination your clients observed that most of the frogs appeared green, red, brown, yellow and silver in colour. Explain to them why these frogs appeared so. **(10 marks)**