



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2018/2019 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT**

COURSE CODE: EBH 3119

**COURSE TITLE: TERRESTRIAL ECOSYSTEM
AND CONSERVATION**

DATE: 6TH DECEMBER 2018

TIME: 0830 - 1030HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over

SECTION A (25 MARKS)

1. Define the following terms.
 - i. Species diversity (2 marks)
 - ii. Desert biome (2 marks)
 - iii. Carbon dioxide compensation point (2 marks)
 - iv. Primary production (2 marks)
 - v. Ecological succession (2 marks)
2. Explain the principle of niche differentiation and resource partitioning and its ecological role in the savanna. (5 marks)
3. Briefly outline factors that affect distribution of biomes (5 marks)
4. a) distinguish between deserts and semi-deserts. (2 marks)
b) List three ways of managing and conserving coral reefs. (3 marks)

SECTION B (45 MARKS)

5. Discuss the concept of 'non park conservation' and how it can be a driver to conservation and sustainable development. (15 marks)
6. Discuss social, ecological and economic importance of wetlands. (15 marks)
7. With relevant examples, discuss challenges facing conservation of terrestrial communities (15 marks)
8. Mau forest has faced enormous degradation over years, propose some strategies to be implemented to enhance its conservation and restoration. (15 marks)

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