

**MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2016/2017 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN FOREST ECOSYSTEMS MANAGEMENT**

**COURSE CODE: FEM 1103**

**COURSE TITLE: INTRODUCTION TO FOREST**

**ECOSYSTEMS AND BIODIVERSITY**

**DATE: 27TH JANUARY, 2017 TIME: 11:00 AM- 1:00PM**

**INSTRUCTIONS TO CANDIDATES**

Answer **All** questions in Section A, and Any three in section B.

**SECTION A**

1. Define a forest (2 marks)

2. Briefly describe the three major types of forests (6 marks)

3. Differentiate between a plantation and a natural forest (3 marks)

4. Explain why foresters need professional ethics while undertaking forest conservation and management (3 marks)

5. Explain the three possible ways that forests can be managed (6 marks)

6. Distinguish between forest degradation and deforestation? (2 marks)

7. Briefly discuss the three functions of forestry professional bodies? (3 marks)

SECTION B

ANSWER ANY FOUR QUESTIONS

8. Describe the techniques of sustainable forest conservation for improving forested areas (15 marks)

9. Discuss the main activities in artificial forest production (15 marks)

10. Explain the importance of forests in our lives (15 marks)

11. Identify and discuss the environmental, economic and social values of forests (15 marks)

12. Discuss the main challenges facing forest and natural resource conservation in Kenya (15 marks)

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