MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER

SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT
BACHELOR OF SCIENCE (FOREST RESOURCES MANAGEMENT)

COURSE CODE: FEM 3204
COURSE TITLE: RANGE MANAGEMENT

DATE: 16TH APRIL, 2019   **TIME: 0830 – 1030HRS**

INSTRUCTIONS TO CANDIDATES

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

SECTION A: Answer all questions (25 MARKS

1. Differentiate between a range and rangeland.
    (2marks)

2. Outline three benefits of rangelands.
    (3marks)

3. When designing a range management program, certain areas are given priority

   a) Briefly explain three of these areas
    (3marks)

    b) Give two reasons why these areas should be prioritized.
    (**2marks**)

4. What are the considerations when determining whether a range can be restored by natural means or by use of artificial re-vegetation?   (**5marks)**

5. Outline considerations to be taken into account before implementing a range reseeding program.
                    (**5marks**)

6. Explain five indicators of rangeland degradation.
    (**5marks**)

SECTION B: Answer any three questions (45 MARKS)

7. Give a detailed analysis of the use of fire in rangelands
(**15 marks**)

8. Describe the effects of grazing and browsing on the dynamics of a rangeland.
(**15marks)**

9. Explain five range improvement techniques.
(15 marks)

10. Give a detailed description of the different water sources in rangelands.
(**15 marks**)

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