MAASAI MARA UNIVERSITY

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

SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT

BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

COURSE CODE: AHP 2107

COURSE TITLE: RANGE MANAGEMENT

DATE: 29TH APRIL, 2019   **TIME: 1430 - 1630 HRS**

INSTRUCTIONS TO CANDIDATES

RANGE MANAGEMENT [100 Marks]

1. Define the below terms commonly used in rangeland management:

   (20 marks)

   a. Community.
   b. Conservation.
   c. Rangeland.
   d. Density.
   e. Forage.
   f. Forb.
   g. Shrub.
   h. Sod.
   i. Tundra.
   j. Weed.

2. a. Define the term 'ecosystem' and briefly outline the components of an ecosystem.
   (10 Marks)

   b. Range management practices may entail grazing livestock on rangelands. List and explain factors that affect livestock grazing distribution in this context.
   (10 Marks)

3. Briefly discuss the goods and services provided by rangeland plants.

   (20 Marks)

4. Establishing the stocking rate has been identified as one of the most important aspects of range management. Explain in detail, the steps for establishing a basic stocking rate.
   (20 Marks)

5. a. Briefly discuss the consequences of rinderpest eradication on:
(12 Marks)
  i.   Rangeland.
  ii. Wild ruminant biomass.
  iii. Livestock health.
  iv. Human health and socio-economics.
  b. Briefly outline the key reasons for Rangeland Monitoring. (8 Marks)

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