



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2018/2019 ACADEMIC YEAR  
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL  
RESOURCES MANAGEMENT  
CERTIFICATE IN TOURISM AND WILDLIFE  
MANAGEMENT**

**COURSE CODE: CTW 009**

**COURSE TITLE: RANGE ECOLOGY MANAGEMENT**

**DATE: 10<sup>TH</sup> DECEMBER 2018**

**TIME: 0830 – 1030 HOURS**

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**INSTRUCTIONS TO CANDIDATES**

Answer Question **ONE** and any other **THREE** Questions

*This paper consists of 3 printed pages. Please turn over.*

### **QUESTION ONE**

1. Define the following terms:

(10mks)

- i. Range ecology
- ii. Range Management
- iii. Rangeland
- iv. Ecological site
- v. Desert

b. List five (5) types of rangelands in the world

(5mks)

c. Rangelands provide valuable ecosystem services. State 10 valuable environmental services

(10mks)

### **QUESTION TWO**

a. State 5 major rangeland types of the world

(5mks)

b. Explain why rangelands are frequently characterized as unsuitable for cultivation due.

(5mks)

c. State five (5) general characteristics of rangelands

(5mks)

### **QUESTION THREE**

Explain 5 characteristics that control rangelands

(5mks)

Using examples, describe five (5) types of grasslands

(10mks)

### **QUESTION FOUR**

State four (4) rangeland resources

(4mks)

While using examples, explain different types of plant communities in rangelands

(6mks)

Describe the roles of plants to animals in rangelands

(5mks)

### **QUESTION FIVE**

Explain four types of deserts in the world

(3mks)

Discuss the roles of plants to rangelands

(12mks)

**//END**