



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
ACADEMIC YEAR 2017/2018
FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT**

COURSE CODE: WLM 452

COURSE TITLE: WILDLIFE MANAGEMENT

DATE: 23RD APRIL 2018

TIME: 8.30A.M-10.30AM

INSTRUCTIONS TO CANDIDATES

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

Section A: Answer all questions (25 marks)

Question 1

- i. Briefly describe the factors that influence wildlife abundance and dynamics in an ecosystem **(2 marks)**
- ii. What measures can you institute as a protected area manager, to influence wildlife abundance in your conservancy? **(3 marks)**

Question 2

- i. Briefly differentiate between rare, threatened and endangered wildlife **(3 marks)**
- ii. Describe ecosystem engineers and their influence on habitats? **(4 marks)**
- iii. Give a brief distinction between autogenic engineers and allogenic engineers, citing examples. **(6 marks)**
- iv. Briefly describe foundational species **(2 marks)**
- v. Briefly define invasive alien species and how can they be managed, citing examples in Kenya **(5 marks)**

Section B: Answer any three questions (45 marks)

Question 1

- i. What are buffer zones? **(3 marks)**
- ii. Highlight the different types of buffer zones use in wildlife conservation areas. **(6 marks)**
- iii. What considerations would you as a manager consider and put into place during the development of buffer zones? **(6 marks)**

Question 2

- i. Citing examples, differentiate consumptive and non-consumptive utilization of wildlife **(5 marks)**
- ii. Distinguish the pros and cons of both consumptive and non-consumptive utilization on wildlife resources **(10 marks)**

Question 3

- i. What is carrying capacity? **(2 marks)**
- ii. Distinguish the types of carrying capacity. **(4 marks)**
- iii. What measures would you put into place to as a conservation manager ensure that your ranch is ecologically sound? **(6 marks)**

Question 4

- i. Based on the Vision 2030 and UN Sustainable Development Goals (SDGs), you as protected area manager, discuss the emerging challenges of wildlife conservation and management **(8 marks)**
- ii. Propose possible solutions to these challenges **(7 marks)**

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