



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

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

**COURSE CODE: FOR 311
COURSE TITLE: PRINCIPLES OF WILDLIFE
MANAGEMENT**

DATE: 18TH APRIL, 2018

TIME: 08:30 -10:30 AM

INSTRUCTIONS TO CANDIDATES

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

SECTION A: ANSWER ALL QUESTIONS (25 Marks)

1. Define the following terms as applied in wildlife management; **(5 marks)**
 - a) Conservation
 - b) Wildlife Management
 - c) Preservation
 - d) Indicator species
 - e) Keystone species
2. Briefly explain impacts of competition and predation on wildlife populations **(5 marks)**
3. Explain briefly measures that can be put in place to help a declining population of a species of special interest. **(5 marks)**
4. a) Define carrying capacity **(1 marks)**
b) Outline the factors that influence a species carrying capacity **(4 marks)**
5. Explain briefly the importance of involving local communities in wildlife conservation and management **(5 marks)**

SECTION B: ANSWER THREE QUESTIONS ONLY (45 Marks)

6. Discuss in detail the ecological knowledge required to effectively manage and conserve wildlife **(15 marks)**
7. (a) Discuss the influence of different land use types on wildlife populations **(7 marks)**
(b) Discuss the factors that contribute to wildlife threats and endangerment **(8 marks)**
8. (a) Discuss in details niche theory **(7 marks)**
(b) Using examples, explain plant defense mechanisms against herbivory **(8 marks)**
9. Discuss exhaustively the impacts of human population and their activities on wildlife conservation and management **(15 marks)**

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