

**MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS 2016/2017 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN FORESTRY**

**COURSE CODE: FOR 311**

**COURSE TITLE: PRINCIPLES OF WILDLIFE**

**MANAGEMENT**

**DATE: 23 JANUARY, 2017 TIME: 2.30-4.30PM**

**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)**
2. Conservation
3. Wildlife Management
4. Preservation
5. Adaptive management
6. Keystone species
7. Briefly explain the importance of conserving wildlife in Kenya **(5 marks)**
8. Explain briefly measures that can be put in place to help a declining population of a species of special interest**. (5 marks)**
9. a) Define carrying capacity **(1 marks)**

b) Outline the factors that influence a species carrying capacity **(4 marks)**

1. Explain briefly the importance of involving local communities in wildlife conservation and management **(5 marks)**

**SECTION B: ANSWER THREE QUESTIONS ONLY (45 Marks)**

1. Discuss in detail the required knowledge to effectively manage and conserve wildlife

**(15 marks)**

1. **(a)** Discuss in details the different IUCN categories  **(7 marks)**
2. Discuss the factors that contribute to wildlife threats and endangerment **(8 marks)**
3. **(a)** Discuss in details niche theory  **(7 marks)**
4. With named examples, explain plant defense mechanisms against herbivory

**(8 marks)**

1. Discuss exhaustively the impacts of human population and their activities on wildlife conservation and management **(15 marks)**

**//END**