

**MAASAI MARA UNIVERSITY**

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

**FOURTH YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES**

**COURSE CODE: EBH 401**

**COURSE TITLE: CONSERVATION BIOLOGY**

**DATE: 31ST JANUARY 2017 TIME: 2.30 – 4.30PM**

**INSTRUCTIONS TO CANDIDATES**

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

***This paper consists of 2 printed pages. Please turn over***

**SECTION A: ANSWER ALL QUESTIONS**

1. Define the following terms:
   1. Ecological resilience **(2MKS)**
   2. Biodiversity **(2MKS)**
   3. Fragmentation **(2MKS)**
   4. Protected area **(2MKS)**
2. Explain the Ecosystem approach to conservation **(3MKS)**
3. Discuss the approaches to valuation of conservation **(4MKS)**
4. Explain the purpose of biodiversity monitoring in

Conservation. **(4MKS)**

1. Explain the levels of organization of biodiversity **(6MKS)**

**SECTION B: ANSWER ANY THREE QUESTIONS**

1. Discuss the direct and indirect drivers that affect the Maasai Mara ecosystem. **(15MKS)**
2. Discuss the Global Legal Instruments for Biodiversity

Conservation **(15MKS)**

1. Discuss types of conflicts in natural resource
2. Management **(15MKS)**
3. Discuss the International Union for Conservation of Nature (IUCN) protected areas management categories **(15MKS)**

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