

**MAASAI MARA UNIVERSITY**

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

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT**

**BACHELOR OF ENVIRONMENTAL MANAGEMENT**

**COURSE CODE: EBH 1103/AHP 1105**

**COURSE TITLE: INTRODUCTION TO ECOLOGY AND                                  BIODERVERSITY**

**DATE: 30TH JANUARY 2017 TIME: 8.30 – 10.30AM**

**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:
2. Cell **(1MK)**
3. Unicellular **(2MKS)**
4. Ecological carrying capacity **(2MKS)**
5. Emigration **(2MKS)**
6. State the main factors that determines whether a population increases or decreases **(3MKS)**
7. Differentiate between Eukaryotes and prokaryotes **(8MKS)**

Eukaryotes

1. Explain the importance of Biodiversity **(3MKS)**
2. Explain the divisions of ecology **(4MKS)**

**SECTION B: ANSWER ANY THREEQUESTIONS**

1. Using real examples give evidences that support the Theory of

Evolution. **(15MKS)**

1. Discuss how people disrupt the flow of food chains and webs **(15MKS)**
2. Outline the complete classification of human beings. **(15 MKS)**
3. (a). Explain the strength of Charles Darwin’s theory of evolution.       **(5MKS)**

(b). Discuss the principles of natural selection theory developed by Charles Darwin. **(10MKS)**

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