

**MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**EXAMINATIONS 2016/2017 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT**

**BACHELOR IN ENVIRONMENTAL STUDIES**

**(ENVIRONMENTAL BIOLOGY AND HEALTH)**

**COURSE CODE: EBH 1108**

**COURSE TITLE: SUSTAINABLE FOOD PRODUCTION**

**DATE: 31ST JANUARY, 2017 TIME: 1100 – 1300HRS**

**INSTRUCTIONS TO CANDIDATES**

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

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

***SECTION A***

1. What are the resulting effects of soil erosion? **(5marks)**
2. What is Integrated Pest Management? **(5marks)**
3. There are three approaches to developing GMOs for pest management.
   1. What are they? **(3marks)**
   2. What are the disadvantages of GMO pest control measures                                                                                                            **(3marks)**
4. How does overgrazing impact the environment? **(5marks)**
5. Before a desert forms, there are symptoms that environmentalists can identify and act upon for prevention purposes. Name some of them.                                                                                                                      **(5marks)**
6. What are the benefits of a local food system? **(5marks)**

***SECTION B***

1. a. Discuss how farming changes the biosphere **(10 marks)**
2. What influences does the environment have on agriculture?**(10 marks)**
3. a. What does the framework for Agricultural Environmental Management        entail? **(6marks)**
4. There are seven guiding steps in application of Integrated pest management practices. Briefly explain **(14marks)**
5. a. Explain what are some of the practises involved in sustainable     agriculture? **(10 marks)**
6. What challenges are facing local food system production approaches?                                                                                                                      **(5marks)**
7. What is sustainable agriculture **(5marks)**
8. To ensure that fishing is a sustainable practice. 3 main rules are enforced
   1. What are they? **(3marks)**
   2. Discuss the agricultural system in Kenya **(17marks)**

**//END**