



# **MAASAI MARA UNIVERSITY**

**SCHOOL OF TOURISM AND NATURAL RESOURCE  
MANAGEMENT**

**DEPARTMENT OF ENVIRONMENTAL STUDIES,  
GEOGRAPHY AND AGRICULTURE**

**UNIVERSITY EXAMINATIONS 2017/2018**

**FIRST YEAR SECOND SEMESTER EXAMINATION  
FOR THE DEGREE OF MASTER OF SCIENCE IN  
ENVIRONMENTAL STUDIES**

**COURSE CODE: SES 880:**

**COURSE TITLE: PRINCIPLES OF HUMAN ECOLOGY**

**DATE: 23/4/2019**

**TIME: 2.30 -5.30 PM**

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**INSTRUCTIONS TO CANDIDATES**

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**ATTEMPT QUESTION 1 AND ANY OTHER THREE QUESTIONS**

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### **QUESTION 1 (25 MARKS)**

- i. What are the development potentials of Kenya's Mara River Basin (MRB)? **(8 marks)**
- ii. How will population increase in the basin impact on development of the basin.? **(7 marks)**
- iii. Explain why an integrated river basin management approach is essential if the basin's development potential is to be realized? **(10 marks)**

### **QUESTION 2**

- i. Account for the increase in human – wildlife conflicts in Kenya **(7 marks).**
- ii. How/why does this call for a paradigm shift in wildlife conservation and management policy and practice in the country? **(8 marks).**

### **QUESTION 3.**

One of the emerging challenges to sustainable development of Kenya's towns and cities is sustainable water and waste management.

- i. Identify the major challenges to sustainable water management in Kenya's towns and cities and suggest ways of addressing these challenges **(7 marks).**
- ii. Suggest ways of sustainable solid waste management in Kenya's cities and towns **(8 marks).**

### **QUESTION 4**

Citing specific examples discuss the role of indigenous knowledge (IK) and practices in biodiversity conservation and natural resource management **(15 marks).**

### **QUESTION 5**

The history of environmental degradation can be traced back to evolution of sedentary agriculture. Discuss. **(15 marks).**

**&&&&&&&& END OF EXAMINATION QUESTIONS &&&&&&&**