



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

INSTRUCTIONS TO CANDIDATES

ATTEMPT QUESTION 1 AND ANY OTHER THREE QUESTIONS

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).

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