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
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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