



MAASAI MARA UNIVERSITY

UNIVERSITY EXAMINATIONS

2018/2019 ACADEMIC YEAR

**FOURTH YEAR SECOND SEMESTER UNIVERSITY
EXAMINATIONS**

**SCHOOL OF TOURISM AND NATURAL RESOURCE
MANAGEMENT
BACHELOR OF ENVIRONMENTAL STUDIES**

COURSE CODE: EEM 1200

COURSE TITLE: PRINCIPLES OF HUMAN ECOLOGY

DATE: 26/04/2019

TIME: 11.00-1300HRS

INSTRUCTIONS TO CANDIDATES

INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A (25 MARKS) AND ANY FOUR IN SECTION B (45 MARKS)

SECTION A (25 MARKS)

1. Define the following concepts and terms
 - a. Culture core (2 MKS)
 - b. Co-evolution vs Co-adaptation (2 MKS)
 - c. Ethnocentrism vs anthropocentrism (2 MKS)
 - d. Individual learning versus cultural transmission (2 MKS)
2. Briefly describe in sufficient details, the role of **feedback** in shaping the behaviour of biological systems from cells to social systems and ecosystems. (4 MKS)
3. Briefly discuss the assertion that complex societies are a dilemma (2 MKS)
4. Write a short synopsis on the concept I*PAT. (4 MKS)
5. Briefly, details discuss the various dominant perceptions towards nature. (5 MKS)
6. Discuss in sufficient details the concept of planetary boundaries. (2 MKS)

SECTION B (45 MARKS)

7. Briefly describe the concept 'Big History' and discuss how it has contributed to the understanding of the way humans relate to their environment (15 MKS)
8. In sufficient details discuss the traditional ecological-evolutionary division of societies into technological types. (15 MKS)
9. In sufficient details discuss the various ways technology impacts on the environment. (15 MKS)
10. Discuss in sufficient details how modern society can embark on an ecologically sustainable development pathway. (15 MKS)