



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE IN
ENVIRONMENTAL SCIENCE (ENVIRONMENTAL CONSERVATION)

ECD 212: SOCIAL CHANGE AND ENVIRONMENTAL MANAGEMENT

Date: 21/04/2016

Time: 8.30-10.30 AM

INSTRUCTIONS

This paper consists of FIVE questions

Answer question one and other two questions in this paper

1. a) Define each of the following concepts
 - i) Sustainable development (2 marks)
 - ii) Community development (2 marks)
 - iii) Natural environment (2 marks)
 - iv) Social change (2 marks)
- b) Differentiate between strong and weak sustainability (4 marks)
- c) Explain **SIX** factors that contribute to social changes (6 marks)
- d) Outline the **SIX** ingredients of progress according to Mazumdar, H.T. in relation to social change (6 marks)
- e) Illustrate how the **THREE** components of sustainable development are related based on the UNESCO definition (6 marks)

2. a) Highlight **TEN** practices aimed at achieving sustainable development of a country (10 marks)
- b) With the help of illustrations, explain how **capital stock concept** contributes to sustainability (10 marks)
3. a) Explain **TEN** principles of environmental management and planning. (10 marks)
- b) Discuss any **FIVE** main characteristics of the nature of social change (10 marks)
4. a) Explain the environmental effects of deforestation (10 marks)
- b) Discuss the major environmental concerns in relation to the world's food problems (10 marks)
5. Citing examples for each, discuss the **FOUR** main **stimulants** and **barriers** to social change (20 marks)