



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
COMMUNITY DEVELOPMENT

EED 203: EDUCATION FOR SUSTAINABLE DEVELOPMENT

Date: 22/4/2016

Time: 8:30 – 10:30 AM

INSTRUCTIONS

This Paper Consists of FIVE Questions

Answer Question One and Other Two Questions In This Paper

SECTION A: 30 MARKS

QUESTION ONE

(a) Explain the following terms:

- i) Educational Sustainability (3 marks)
- ii) Environmental sustainability (3 marks)
- iii) Ecological carrying capacity (3 marks)
- iv) Need's concepts (3 marks)
- v) The tragedy for the commons (4 marks)
- vi) The Gaia Hypothesis (6 marks)

(b) Explain the classification of natural resources that are used for development in Kenya.

(8 marks)

QUESTION TWO

- a) Explain the three key areas of sustainable development (9 marks)
- b) According to Connect (1990), sustainable development can be achieved under certain factors. Explain the factors. (8 marks)
- c) Outline any three causes of un-sustainable development in Kenya (3 marks)

QUESTION THREE

- a) Highlight eight principles of sustainability according to *Rio Declaration (1992) on Environment and Development* (8 marks)
- b) Discuss any six indigenous conservation measures that ensured sustainable utilization of natural resources in Kenya. (12 marks)

QUESTION FOUR

- a) Discuss the Earth Charter's four key principles under the broad heading of 'Respect and Care for the Community of Life'. (12 marks)
- b) Explain four values of environmental education for sustainable development in Kenya (8 marks)

QUESTION FIVE

Discuss the role of any five environmental education institutions in sustainable development in Kenya. (20 marks)