



MACHAKOS UNIVERSITY

University Examinations for 2017/2018

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES AND COMMUNITY
DEVELOPMENT

SECOND YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF
ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT

EED 203: EDUCATION FOR SUSTAINABLE DEVELOPMENT

DATE: 19/12/2017

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer Question one and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following concepts:
 - i. Sustainable development (2 marks)
 - ii. Need's concepts (2 marks)
 - iii. Ecological carrying capacity (2 marks)
- b) Explain the role of Agenda 21 on education for sustainable development (4 marks)
- c) Explain the radical approach to sustainable development (4 marks)
- d) Explain two challenges that are encountered when implementing education for sustainable development in Kenya (4 marks)
- e) Explain three Perspectives of Sustainable Development (6 marks)
- f) Discuss three ways in which education affects environmental sustainability (6 marks)

QUESTION TWO (20 MARKS)

- a) Outline three values within the sustainability paradigm in Kenya (3 marks)
- b) Explain four ways in which Kenya as a nation can achieve sustainable development (8 marks)
- c) Explain three pillars of sustainable development (9 marks)

QUESTION THREE (20 MARKS)

- a) Explain five teaching and learning techniques that can foster sustainable human development in Kenya (10 marks)
- b) Explain five principles of sustainability and how each is applied in Kenya (10 marks)

QUESTION FOUR (20 MARKS)

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

QUESTION FIVE (20 MARKS)

- a) Explain four values of environmental education for sustainable development (8 marks)
- b) Discuss the four thrusts of education for sustainable development citing how each of them affects nature conservation (12 marks)