



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF COMMUNITY DEVELOPMENT

SECOND YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE

EED 203: EDUCATION FOR SUSTAINABLE DEVELOPMENT

Date: 2/12/2016

Time: 11:00 – 1:00 pm

INSTRUCTIONS:

Answer ALL questions in section A and ANY TWO questions in section B

SECTION A: 30 MARKS

QUESTION ONE (COMPULSORY) (30 MARKS)

- (a) Explain the following concepts:
 - (i) Sustainability (2 marks)
 - (ii) Carrying capacity (2 marks)
 - (iii) Need's satisfaction (2 marks)
- (b) Explain the radical approach to sustainable development. (4 marks)
- (c) Citing examples outline the role of Intergovernmental Bodies in sustainable development in Kenya (4 marks)
- (d)
 - (i) Differentiate between the two dimensions of overpopulation (2 marks)
 - (ii) Explain the impact of one of the dimensions of overpopulation you have mentioned in (d) (i) above on the environment. (4 marks)

- (e) Explain four skills of education for sustainable development in Kenya (4 marks)
- (f) Explain three ways in which education affects environmental sustainability. (6 marks)

SECTION B 40 MARKS: ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- (a) Outline three values of environmental education for sustainable development in Kenya (3 marks)
- (b) Explain four ways in which sustainable development can be achieved according to Connect (1990) (8 marks)
- (c) Explain the three pillars of sustainable development (9 marks)

QUESTION THREE (20 MARKS)

- (a) Explain five principles of sustainability according to *Rio Declaration (1992) on Environment and Development* and how each is applied in Kenya (10 marks)
- (b) Explain five fundamental types of learning to provide quality education and foster sustainable human development. (10 marks)

QUESTION FOUR (20 MARKS)

- (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) As an environmental educationalist, explain four principles of Education that help to achieve sustainable development in Kenya. (8 marks)

QUESTION FIVE (20 MARKS)

- (a) Discuss four domains of sustainable development citing how each of them affects nature conservation in Kenya. (12 marks)
- (b) Explain four features of education for sustainable development in Kenya. (8 marks)