



# MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DEGREE IN  
BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES (ENVIRONMENTAL  
RESOURCE CONSERVATION)

EED 105: ENVIRONMENTAL VALUES AND ETHICS

DATE: 2/6/2017

TIME: 11:00 – 1:00 PM

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**INSTRUCTIONS:**

*Answer Question ONE and ANY other Two Questions*

**QUESTION ONE (COMPULSORY) (30 MARKS)**

- a) Explain the following terms
- i Environmental ethics (2 marks)
  - ii Environment (2 marks)
  - iii Shallow ecology (2 marks)
  - iv Biocentrism (2 marks)
- b) Using examples differentiate between intrinsic and instrumental values (6 marks)
- c) Explain four different levels of environmental awareness (16 marks)

**QUESTION TWO (20 MARKS)**

- a) Throw-away and Spaceship-Earth worldviews are insufficient basis for sustainable living. Discuss (14 marks)
- b) Using specific examples, explain any two environmental beliefs of indigenous communities in Kenya and their role in protection of biodiversity (6 marks)

**QUESTION THREE (20 MARKS)**

Discuss any four different types of environmental ethics (20 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain four principles of deep ecology (8 marks)
- b) Describe any three different approaches that lead to understanding the relationship between human beings and the environment (12 marks)

**QUESTION FIVE (20 MARKS)**

Citing examples, explain in details five environmental values of terrestrial ecosystems in Kenya (20 marks)