

# TECHNICAL UNIVERSITY OF MOMBASA

## FACULTY OF APPLIED AND HEALTH SCIENCES

### DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

#### UNIVERSITY EXAMINATION FOR THE DIPLOMA IN ENVIRONMENTAL SCIENCE.

DES 16S /YEAR1/ SEMESTER1

AES 2103 ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

END OF SEMESTER EXAMINATION

**SERIES:** DECEMBER2016

**TIME:** 2HOURS

**DATE:** Pick Date Dec2016

#### Instructions to Candidates

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions.

#### QUESTION ONE

- a) Define the following terms
  - i) Sustainable development (2 marks)
  - ii) Environmental sustainability (2 marks)
- b) Outline characteristics of a good environmental journalist (5 marks)
- c) Briefly describe the major drivers of environmental degradation in Kenya today (6

- marks)
- d) Briefly explain why the survival and socio-economic wellbeing of Kenyans is ultimately intertwined with the environment.(5 marks)
  - e) Outline the threats facing wetland ecosystems in Kenya. (5 marks)
  - f) Define environmental communication and describe the activities of an environmental communication practitioner (5 marks)

## QUESTION TWO

Discuss any five guiding principles towards achieving sustainable development projects. (15 marks)

## QUESTION THREE

- a) Discuss the human wildlife conflicts phenomenon in Kenya. (5 marks)
- b) Discuss effects of overpopulation on natural resources (10 marks)

## QUESTION FOUR

Discuss major environmental impacts that result from human development projects. (15 marks)

## QUESTION FIVE

- a) Human–wildlife conflict is a growing concern and provides a major challenge to wildlife conservation in Kenya.( 8 marks)
- b) Explain measures that can be put in place to reduce human – wildlife conflict (7 marks)