



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
MARINE RESOURCE MANAGEMENT &
BACHELOR OF JOURNALISM AND MASS COMMUNICATION

BJMC 13S / BMRM 13S

AES 4100: ENVIRONMENTAL STUDIES

SEMESTER EXAMINATION

DECEMBER 2013 SERIES

2 HOURS

Instructions to candidates:

This paper consist of **FIVE** questions

Answer question **ONE** (compulsory) and any other **TWO** questions

QUESTION ONE

- Explain the relationship between development and environment (4marks)
- Define the term sustainable development (2marks)
- Classify pollutant's based on source using relevant examples (4marks)
- Describe FIVE sustainable ways of solid waste management (5marks)
- Describe the process of bioaccumulation of heavy metals in aquatic ecosystem (4marks)
- Describe formation of acid rain (3marks)
- Citing examples distinguish between renewable and non-renewable natural resources (4marks)

h) Natural resources are facing the “tragedy of the commons” **(4marks)**

QUESTION TWO

a) Discuss the threats facing aquatic ecosystems in Kenya **(10marks)**

b) Explain prevention and control of threats facing aquatic ecosystems. **(10marks)**

QUESTION THREE

a) Explain impacts of climate change on Agriculture **(10marks)**

b) Describe mitigation measures to curb climate change in the transport and industrial sectors **(10marks)**

QUESTION FOUR

a) Describe the most common air pollutants **(10marks)**

b) Describe of air pollution control & prevention **(10marks)**

QUESTION FIVE

Describe the procedure of carrying out an EIA **(20marks)**