



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ENVIRONMENTAL SCIENCE
DES/16S/YEAR 2/ SEMESTER 1**

**AES 2203 ENVIRONMENTAL DISASTER MANAGEMENT
SPECIAL/ SUPPLEMENTARY EXAMINATIONS
SERIES: SEPTEMBER 2018
TIME: 2 HOURS**

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of one printed pages.

Mobile phones are NOT allowed in the examination room

Question ONE

- a) Define the following terms (2 Marks each)
- i. A Hazard:
 - ii. Geological Hazard:
 - iii. Disaster Risk Management:
 - iv. Disaster Risk Reduction
- b) Outline examples of human-made disasters in Kenya (4 marks)
- c) Outline FOUR examples of natural disasters (4 marks)
- d) Describe how poverty impacts on communities ability to deal with disasters (4 marks)
- e) Describe the following stages of disaster management cycle
- i. Disaster Response (4 marks)
 - ii. Process to recovery (4 marks)
- f) State any TWO recent human-made disasters in Kenya

Question TWO

- a) Describe how the following challenges have impacted on Kenya's ability to manage disasters (9 marks)
- i. Inadequate finances, human resources and equipment

- ii. Inadequate information and data
 - iii. Inadequate Regional and International linkages
- b) Describe the various players/organizations involved with disaster management in Kenya (6 marks)

Question THREE

Discuss the disaster management cycle. (15 marks)

- i. Disaster Prevention
- ii. Disaster Mitigation
- iii. Disaster Preparedness
- iv. Disaster Response
- v. Process to recovery

Question FOUR

Discuss any FIVE challenges of disaster management in Mombasa County. (15 marks)

Question FIVE

There should be a better approach to disaster management in Kenya. Discuss. (15 marks)