



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DIPLOMA IN ENVIRONMENTAL SCIENCE

DES18S

AES 2203: ENVIRONMENTAL DISASTER MANAGEMENT

SEMESTER EXAMINATION

AUGUST 2019

2 HOURS

INSTRUCTIONS TO CANDIDATES

This paper consists of FIVE questions

Answer question ONE (compulsory) and any other TWO questions

This paper consists of two PRINTED pages

QUESTION ONE

- a) Define the following terms (10 marks)
 - i. A Hazard
 - ii. Mitigation
 - iii. Flood
 - iv. Tsunami
 - v. Resilience
- b) Name any THREE types of environmental hazards giving an example of a hazard in each case (5 marks)
- c) What does preparedness mean with regards to disaster management? (3 marks)
- d) Distinguish between economic vulnerability and environmental vulnerability (4 marks)

- e) State **FOUR** immediate social and economic consequences of a disaster e.g. Tsunamis (**4 marks**)
- f) Name **FOUR** types of drought (**4 marks**)

QUESTION TWO

- a) Describe the impact of drought on the Environment (**10 marks**).
- b) Explain **THREE** precautions related to proper agricultural techniques that can be taken in drought prone areas to mitigate the drought situation (**5 marks**).

QUESTION THREE

Discuss relationship between disaster and development (**15 marks**)

QUESTION FOUR

Explain the role of **FIVE** critical partners in tackling a disaster occurrence (**15 marks**)

QUESTION FIVE

Explain **FIVE** immediate social and economic consequences of a recent disaster in Kenya e.g. Solai Dam Tragedy (**15 marks**)

