



TECHNICAL UNIVERSITY OF MOMBASA

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

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ENVIRONMENTAL SCIENCE

AES 2203 CLIMATE CHANGE AND INTERVENTIONS

END OF SEMESTER EXAMINATION

SERIES:AUGUST2019

TIME:2HOURS

DATE:13Dec2019

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). Attemptquestion ONE (Compulsory) and any other TWO questions

QUESTION ONE

- A) Define the following terms (8 marks)
 - i. Climate
 - ii. Climate change
 - iii. Global warming.
 - iv. Climate change adaptation
- B) Outline the greenhouse gases (5 marks)
- C) State the meteorological instruments used to measure the following (4 marks)
 - i. Temperature
 - ii. Atmospheric pressure
 - iii. Wind speed and direction
 - iv. Relative humidity
- D) Outline any four weather elements (4marks)
- E) Briefly describe [climate forcings](#). (5 marks)
- F) Describe the human activities that lead to the production of Methane (natural gas) (5 marks)

QUESTION TWO

Discuss the criteria that policy makers should use in assessing responses to global warming (15 marks)

QUESTION THREE

Discuss the consequences of climate change in the agricultural sector (15 marks)

QUESTION FOUR

Discuss any five environmental consequences of global warming (15 marks)

QUESTION FIVE

Discuss how the following may be used as evidence for climatic change

- a) Vegetation (7 marks)
- b) Ice cores (8 marks)

