



**TECHNICAL UNIVERSITY OF MOMBASA**

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ENVIRONMENTAL SCIENCE

**AES 2205: RESOURCES AND RENEWABLE ENERGY**  
END OF SEMESTER EXAMINATION

**SERIES:**AUGUST2019

**TIME:**2HOURS

**DATE:**Pick DateAUG2019

**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**

- Describe briefly non-renewable resources and state two examples. (5 marks)
- Briefly explain the 'Human development index' (5 marks)
- Describe the parameters used as indicators of quality of the ecosystems (5 marks)
- Briefly explain the importance of solar energy (5 marks).
- Identify main sources for the country's power production (5 marks)
- Briefly identify measures to conserve electricity at household level (5 marks)

**QUESTION TWO**

Discuss the environmental impacts of using fossil fuels (15 marks)

**QUESTION THREE**

Discuss the ecological problems with generation of hydroelectric power.(15 marks)

**QUESTION FOUR**

Discuss the challenges of developing nuclear power.(15 marks)

**QUESTION FIVE**

Discuss the threats facing land resource (15 marks)

