



TECHNICAL UNIVERSITY OF MOMBASA

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 DateDec2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of fiveQuestion(s). Attemptquestion ONE (Compulsory) and any other TWO questions

QUESTION ONE

- a) Briefly outline the various uses of land as a resource. (5 marks)
- b) Describe how modern agriculture affects the environment (5 marks)
- c) Outline examples of renewable energy sources (5 marks)
- d) Describe ways of using biomass. (5 marks)
- e) Briefly explain the importance of solar energy (5 marks).
- f) Briefly identify measures that to conserve electricity at household level (5 marks)

QUESTION TWO

The quality of human life and the quality of ecosystems on earth are indicators of the sustainable use of resources. Discuss this statement (15 marks)

QUESTION THREE

Discuss geothermal energy production (15 marks)

QUESTION FOUR

Discuss the advantages and disadvantages of wind power (15 marks)

QUESTION FIVE

Discuss the environmental impacts of using oil as a source of energy (15 marks)