



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 2202: RESOURCES & RENEWABLE ENERGY

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 two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE. (30 MARKS)

- a) Differentiate between biological resources and mineral resources (4mks)
- b) State 3 types of non-renewable resources (3mks)
- c) State 5 environmental problems of using fossil fuels (5mks)
- d) State 5 types of renewable resources (5mks)
- e) State 4 advantages of using renewable sources of energy (4mks)
- f) State 5 characteristics of biological resources (5mks)
- g) State two types of greenhouse gases produced by fossil fuels (2mks)
- h) Define the term sustainable development (2mks)

QUESTION TWO. (15 MARKS)

Discuss the impacts of global warming as a result of use of fossil fuels

QUESTION THREE. (15 MARKS)

Discuss the benefits of using renewable resources of energy

QUESTION FOUR. (15 MARKS)

Discuss the challenges facing the use and management of renewable resources in African countries

QUESTION FIVE. (15 MARKS)

Discuss the characteristics of renewable natural resources