



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied and Health Sciences

Department of Environment & Health Sciences

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH

&

BACHELOR OF TECHNOLOGY IN RENEWABLE ENERGY

BSEH/16J/YEAR 3/ SEMESTER 2

BTRE14S/YEAR 4/SEMESTER 1

APH 4311 HAZARDOUS WASTES MANAGEMENT

SPECIAL/ SUPPLEMENTARY EXAMINATIONS

SERIES: SEP 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

- a) Explain the meaning of the following terms as used in hazardous waste management (6mks)
- i) Infectious wastes
 - ii) Integrated Waste management
 - iii) Resource recovery
- b) Outline six physical hazardous waste treatment methods (6mks)
- c) State four common features of hazardous wastes (4mks)
- d) Explain three objectives of the Basel convention (6mks)

- e) Briefly outline five precautions that one needs to take in transportation of hazardous wastes (5mks)
- f) Describe three types of information that should be on the label of the hazardous container while transporting these wastes (3mks)

Question two

Discuss five categories of hazardous wastes. Give two examples of each (20mks)

Question three

Discuss five ways radiation wastes can be managed and disposed (20mks)

Question four

Discuss the health effects of radiation wastes (20mks)

Question five (20mks)

Discuss ten provisions of EMCA (1999) on management of hazardous wastes and explain how this is achieved. (20mks)