



A Constituent College of Kenyatta University

**UNIVERSITY EXAMINATIONS 2011/2012 ACADEMIC YEAR
4TH YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF
ENVIRONMENTAL SCIENCE**

**COURSE CODE/TITLE: ENS 444: HAZARDOUS WASTE
MANAGEMENT**

END OF SEMESTER:II

DURATION: 3 HOURS

DAY/TIME:THURSDAY:2.00 TO 5.00 P.M. DATE:29/03/2012 (TF3)

INSTRUCTIONS

Answer **ALL** questions in Section **A** and any other **TWO** from Section **B**.

SECTION A: ANSWER ALL QUESTIONS FROM THIS SECTION

Question One

Explain the following waste management concepts:

- i) Waste hierarchy (2 marks)
- ii) Extended Producer Responsibility (EPR) (2 marks)
- iii) Pollute pays Principle (2 marks)
- iv) Discarded wastes (2 marks)
- v) Phytoremediation (2 marks)

Question Two

- i) What is waste inventorying (2 marks)
- ii) Explain two reasons why firms should maintain hazardous waste inventories. (4 marks)

Question Three

- i) Explain the purpose of waste treatment (2 marks)
- ii) Explain two reasons why firms should maintain hazardous waste inventories. (4 marks)

Question Four

Explain three (3) environmental consequences of poor management of uranium waste. (6 marks)

Question Five

Describe three (3) activities that can be sources of hazardous waste at the household level. (6 marks)

Question six

Using specific examples, explain any two (2) categories of listed wastes. (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION

Question Seven

Write an essay on Kenya’s Hazardous Waste Management Policy and Law. (15 marks)

Question Eight

Discuss hazardous waste management of a health facility of your choice, and suggest recommendations for improvement. (15 marks)

Question Nine

“The Waigani Convention (1995) was a great milestone in the management of hazardous wastes in the Pacific counties of the world.” Discuss this statement. (15 marks)