



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
ENVIRONMENTAL HEALTH
3RD YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR
MAIN

COURSE CODE: HCB 1307

COURSE TITLE: HAZARDOUS WASTE MANAGEMENT

EXAM VENUE: STREAM: (BSc. Env. Health)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and ANY other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. What is the basic definition of hazardous waste(3 Marks)
2. Mention three sources of hazardous wastes (3 Marks)
3. List four characteristics of hazardous wastes (4 marks)
4. Provide 5 examples of hazardous wastes (5 marks)
5. Explain THREE effects of hazardous waste to human Health and the environment (5 marks)
6. Describe the principal method by which hazardous wastes can be moved from one site to another (3 marks)
7. Describe THREE hazardous waste disposal methods (3 marks)
8. List **Two** international conventions have discussed hazardous waste management (4 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

- 1 a) Describe FIVE main classification of hazardous wastes (10mks)
b) Explain retention time of radioactive wastes (10 mks)
2. Describe FOUR steps in the management of hazardous waste (20 Marks)
3. Discuss Hazardous waste management under the Kenya legal framework (20 Marks)
4. Human remains constitute special waste under the hazardous waste classification as well as under the International Health Regulations. Describe the steps taken in handling this class of hazardous waste. (20 Marks)