



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

2ND YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN

COURSE CODE: HPD 3314

COURSE TITLE: HAZADOUS WASTE MANAGEMENT

EXAM VENUE:

STREAM: (BSc. P. Health / Comm Hlth & Dev)

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

1. Answer all 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 (30 MARKS)

- 1.** Describe the different categories biomedical wastes **5 marks**
- 2.** List the government agencies involved in regulating hazardous wastes in Kenya **3 marks**
- 3.** Describe the criteria used to determine the nature of hazard in wastes **4 marks**
- 4.** Describe the steps in hazardous waste identification process **(3 marks)**
- 5.** Discuss briefly the color coding in segregation of medical wastes **(4 marks)**
- 6.** List the Characteristics of wastes that are not suitable for incineration **(6 marks)**
- 7.** Describe briefly the following hazardous waste treatment technologies and state their advantages and disadvantages. **(3 marks each)**
 - b) Gasification
 - c) Pyrolysis

SECTION B: (40 MARKS)

- 1** Discuss the requirements for hazardous waste treatment, storage and disposal facilities **(20 marks)**
- 2** Discuss the health implications of poor hazardous waste management **(20 marks)**
- 3** Discuss the different types of hazardous wastes **(20 marks)**
- 4** Discuss the roles of Bamako Convention in respect to trans-boundary movement of hazardous wastes **(20 marks)**