



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2020/2021

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
ENVIRONMENTAL PLANNING AND MANAGEMENT**
EPM 244: WASTE MANAGEMENT PLANNING

DATE: WEDNESDAY 16TH JUNE 2021

TIME: 11.00AM - 1.00PM

INSTRUCTIONS: Answer Question **ONE** and any other **TWO**

1. (a) Explain the following concepts as applied in waste management;
 - i. Waste management facilities (4 marks)
 - ii. Waste management incentives (4 marks)
 - iii. Enforcement (4 marks)
 - iv. Environmental education (4 marks)(b) Explain the importance of waste classification. (14 marks)
2. Boma is a commercial town with a population of 2,400 households; average household is estimated at 3 members. For a decade, the volume of municipal waste generated have increased by 45%.
 - a) Calculate waste generated per day. (4 marks)
 - b) Explain why the volume of municipal waste generated has been on the increase in Boma town. (6 marks)
 - c) Explain how the principle of Extended Producer Responsibility (EPR) can be used to manage commercial waste in Boma town. (10 marks)
3. With the aid of a diagram, use Waste Hierarch model to explain the state of waste generated in Kenya. (20 marks)
4. With examples, discuss waste as a resource. (20 marks)
5. Explain why waste management is a challenge in the counties. (20 marks)
