



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCES MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL STUDIES
GEOGRAPHY AND AGRICULTURE
BACHELOR ENVIRONMENT, BIOLOGY AND
HEALTH**

**COURSE CODE: EBH 2214/BGS 402
COURSE TITLE: SOLID WASTE
MANAGEMENT/WASTE MANAGEMENT**

DATE: 26TH APRIL, 2018

TIME: 0830 - 1030HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

SECTION A: ANSWER ALL QUESTIONS (25 marks)

- 1) Define the term solid waste management (1 mark)
- 2) Differentiate biodegradable and non- biodegradable waste (2 marks)
- 3) State three different sources of solid waste (3 marks)
- 4) Briefly explain different options for offsite solid waste disposal (6 marks)
- 5) With an aid of diagram, explain the initial steps in establishing an effective solid waste management system (8 marks)
- 6) Briefly explain the characteristics of hazardous waste (5 marks)

SECTION B: ANSWER ANY THREE QUESTIONS (45 marks)

- 7) Discuss the effects of improper solid waste management on human health and on the environment (15 marks)
- 8) Kenyan solid waste management system is considered unsustainable, discuss how the system can be improved to a sustainable system (15 marks)
- 9) Critically discuss the major components of a conventional solid waste management system (15 marks)
- 10) Discuss the economics of vermicomposting (15 marks)

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