



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEARSEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

EPM 244: PRINCIPLES OF ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE:

TIME:

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Describe the following: -
- i. Sanitary landfill (3 marks)
 - ii. Recycling plant (3 marks)
 - iii. Incinerator (3 marks)
 - iv. Regulatory instruments (3 marks)
 - v. Agricultural wastes (3 marks)
- b) Give SEVEN (7) significances of effective waste management to environmental protection (7 marks)
- c) Explain FOUR (4) ways in which poor waste management can pose a risk to the environment (8 marks)

QUESTION TWO (20 MARKS)

Waste is attributed to its source and type. Discuss this statement in relation to various types of wastes

QUESTION THREE (20 MARKS)

Discuss waste management chainage.

QUESTION FOUR (20 MARKS)

Explain the methods of waste disposal practiced in Kenyan urban areas.

QUESTION FIVE (20 MARKS)

Discuss the elements of solid waste management model