

BONDO UNIVERSITY COLLEGE

SCHOOL OF HEALTH SCIENCES

FIRST YEAR FIRST SEMESTER EXAMS HCD 2114: WASTE MANAGEMENT

SECTION A: Answer ALL questions in this section (3 Marks each).

1. Define the terms waste and waste management.
2. List the primary sources of waste in an urban setting and give examples.
3. Define the following terms,
 - a. Dissolved oxygen (DO).
 - b. Biochemical oxygen demand (BOD).
 - c. Total dissolved solids (TSS).
4. List three advantages and disadvantages of incineration as a method of waste disposal.
5. Briefly describe the methods of corpse and dead animal disposal.
6. List and briefly describe methods of industrial wastes disposal.
7. Briefly describe excreta disposal methods without water carriage.
8. Giving examples, define point and nonpoint sources of stream pollution.
9. Give a brief description of three methods by which final disposal of liquid waste can be accomplished.
10. List six major sources of industrial wastewater.

SECTION B

Answer any TWO questions from this section (15 marks each)

1. Discuss the functional elements of solid waste management program.
2. Discuss the environmental and health aspects of improper disposal of solid wastes.
3. Discuss the various methods of solid waste disposal.
4. (a) Outline the main components of sewage treatment and management process (10 marks)
(b) What is the importance of using wastewater parameters? (5 marks)