



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE**  
**2024\_2 EXAMINATION**

**COURSE CODE: EHS 520**

**COURSE TITLE: BIOMEDICAL AND SPECIAL WASTE**

**COURSE UNITS: 2 CREDIT UNITS**

**TIME ALLOWED: 1 ½ HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: ANSWER ALL QUESTIONS**

- 1 (a) What do you understand by the term “*Sanitary Landfill*” (4 Marks)  
(b) Write a short note on four (4) basic requirements of sanitary landfill (16 Marks)  
(c) Highlight five (5) main components of a secured, permitted landfill (5 Marks)
- 2 (a) Differentiate between open burning of waste and incineration (10 Marks)  
(b) Highlight five (5) advantages of a sanitary landfill (5 Marks)  
(c) Enumerate five (5) recommended steps for handling incinerators (5 Marks)
- 3 (a) Define the term “*Composting*” (6 Marks)  
(b) Describe two (2) processes that can be adopted in the construction of household level composting (15 Marks)  
(c) Highlight four (4) advantages of composting (4 Marks)