



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
FACULTY OF AGRICULTURAL SCIENCES  
DEPARTMENT OF CROP AND SOIL SCIENCES  
2023\_1 POP EXAMINATION.**

**COURSE TITLE: WASTE MANAGEMENT & SOIL (3CU)**

**COURSE CODE: SLM 509**

**TOTAL SCORE: 70 MARKS**

**TIME ALLOWED: 2hours**

**INSTRUCTION: Answer FOUR Questions in All. Question 1 is compulsory (25marks) and any three questions (15 marks each)**

1.
  - a. Define waste as described differently by professional bodies. (9marks)
  - b. Explain any two ways of waste disposal have impact on environment. (10marks)
  - c. State the three (3) classes of hazardous wastes. (6marks)
2.
  - a. List and Explain any three uses of Agricultural wastes. (9marks)
  - b. List the category of household hazardous waste (HHW) base on sources and types. (6marks)
3.
  - a. What do you understand by MSW? (5marks)
  - b. Discuss how soil organic matter contributes to soil fertility. (10marks)
4.
  - a. Briefly discuss hazardous waste based on the RCRA legislation. (9marks)
  - b. Identify three ways through which you can transform MSW? (6marks)
5.
  - a. Draw a simple diagram showing composting process. (10marks)
  - b. what are the importance of C and N in composting? (10marks)