



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCE
2025_2 EXAMINATIONS**

COURSE CODE: SLM 508

COURSE TITLE: LAND RECLAMATION (2 UNITS)

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer *THREE* Question in all

Question 1 is compulsory (30 marks) and any TWO Questions (20 marks)

TIME ALLOWED: 2 hours

- Q. 1.** a. Differentiate between soil degradation and land degradation. [6 Marks]
- b. Discuss the effect of soil degradation on our lives. [8 Marks]
- c. Define land reclamation. [4 Marks]
- d. Explain the concept of land reclamation. [12 Marks]
- Q. 2** a. What are the different forms/types of soil degradation? [10 Marks]
- b. What do you understand by the characteristics of Soil compaction. [6 Marks]
- c. Describe the impact of erosion on soil productivity. [4 Marks]
- Q. 3** a. What is soil salinisation and how does it affect plants? [8 Marks]
- b. Explain the term soil sodification and its effects. [6.5 Marks]
- c. Describe the role of climate change in soil degradation. [6 Marks]
- Q. 4** a. Define desertification and describe its main causes. [8 Marks]
- b. Explain the impact of deforestation on soil quality. [6 Marks]
- c. Discuss the effects of soil acidification on crop yield. [6 Marks]