



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
FACULTY OF AGRICULTURAL SCIENCES  
DEPARTMENT OF CROP AND SOIL SCIENCES**

**EXAMINATION: 2021 SEMESTER POP EXAMINATION**

**COURSE TITLE: SOIL AND WATER MANAGEMENT (2CU)**

**COURSE CODE: SLM308**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: Answer compulsory question 1 (30marks) and any TWO questions (20 marks each)**

**TIME ALLOWED: 2hours**

**QUESTION**

**Q1.**

- a) In management of soil and water in agriculture, outline the conveniences derived from the study. (10Marks)
- b) What are the best operational procedures of soil Management? (10marks)
- c) In land preparation, tillage system is considered to one of the most importance operation, state its advantages. (5marks)
- d) Enumerate the most suitable methods for soil and water conservation in Savannah regions. (5marks)

**Q2.** As a soil erosion specialist, you were invited to make analysis on the site; as a matter of procedure;

- a) Describe the various types of soil erosion to justify the type available? (6marks)
- b) Discuss the factors and determinants of the erodibility of the soil. (14marks)

**Q3.** Explain in details the evolution of tillage system in Crop production. (20marks)

**Q4.**

- a) Describe the all-embracing purposes of land preparation and its advantages (12marks).
- b) In soil and water management practices, there are approved ways of handling water, mention them. (8marks).