



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, University Village, Nnamdi Azikiwe Expressway, Jabi,**  
**Abuja**  
**Faculty Agricultural Sciences**  
**DEPARTMENT OF CROP AND SOIL SCIENCES**  
**2020\_2 EXAMINATION**

**COURSE CODE: SLM 306**

**COURSE TITLE: SOIL EROSION AND CONSERVATION (2 UNITS)**

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS. QUESTION 1 (25 MARKS) IS COMPULSORY AND ANY OTHER THREE (3) (15 MARKS EACH)**

1.
  - a. Discuss extensively the root cause of erosion (20marks)
  - b. Write briefly on the following;
    - a. Fallow system
    - b. Ley system of farming. (5 marks)
2.
  - a. Attempt to explain in the detail the classification of farming system in this course. (10 marks)
  - b. Carefully differentiate between ephemeral and permanent gully erosion (5 marks)
3.
  - a. Describe in detail soil erosion formation. (12 marks)
  - b. State when one can say a husbandry is achieved in soil erosion formation? (3 marks)
4.
  - a. In controlling soil erosion, explain the reason how clay particles are better structurally stable as compared to sand and silt (5 marks)
  - b. List 4 important characteristics of land husbandry (8 marks)
  - c. Identify any two (2) movers of soil erosion. (2 marks)
5.
  - a. Describe at least five models of soil erosion. (10 marks)
  - b. Explain how important cropland is, in the tropical regions? (5 marks)
6.
  - a. Outline and explain any two each (2) cause of erosion in soil management. (10 marks)
  - b. Enumerate the classification of farming systems as maintained by the implements usage for cultivation? (5 marks)