



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES
SEPTEMBER 2020_1 EXAMINATION**

COURSE CODE: SLM 306

COURSE TITLE: SOIL EROSION AND CONSERVATION

COURSE CODE (2 UNITS)

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS. QUESTION 1 IS COMPULSORY AND ANY OTHER THREE (3) QUESTIONS

- 1 Explain the Concept and Components of a Farming System? (10 marks)
 - b. How can land be classified according to capability? (10 marks)
 - c. Differentiate between Fallow system and Ley system of farming. (5 marks)
- 2 Describe two main classes of a farming system (10 marks)
 - b. How can you classify farming systems according to the implements used for cultivation?
(5 marks)
- 3 Briefly describe farming systems according to the following classifications:
 - i. Degree of commercialization
 - ii. Type of rotation
 - iii. water supply (12 marks)
 - b. What is good husbandry? (3 marks)
- 4 Define Land husbandry. (5 marks)
 - b. State five (5) characteristics and three (3) principles of land husbandry (8 marks)
 - c. State two (2) drivers of soil erosion. (2 marks)
- 5 Discuss five (5) effects of land husbandry (10 marks)
 - b. Why is land important in the tropics? (5 marks)
- 6 List eight (8) functions of land and explain any three (3). (11 marks)
 - b. Briefly describe Land use for Perennial Crops (4 marks)