

NATIONAL OPEN UNIVERSITY OF NIGERIA

SCHOOL OF AGRICULTURAL SCIENCES

COURSE CODE: SLM306

COURSE TITLE: SOIL EROSION AND CONSERVATION (2 UNITS)

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS. QUESTION 1 IS COMPULSORY AND

ANY OTHER THREE (3) QUESTIONS

Time Allowed: 2 Hours

QUESTIONS

- 1a. Mention two (2) main classes of farming systems? (2marks)
- b. Explain the following classification:
 - i. Classification According to the Type of Rotation (5 marks)
 - ii. Classification According to the Water Supply (5 marks)
 - iii. Classification According to the Cropping Pattern and Animal Activities (5 marks)
 - iv. Classification According to the Degree of Commercialization (8 marks)(TOTAL=25MARKS)
2. Define Land husbandry (5marks)
- b. Explain four (4) sequences of land husbandry (10 MARKS)
- 3a. Define the term soil erosion? (5marks)
- 3b. List and explain causative agent of erosion (10marks)
- 4a. Explain four (4) factors affecting water erosion (12marks)
- 4b. State three (3) impacts of gully erosion in Nigeria (3marks)
- 5a. Explain incisively the following terms? (15marks)
 - i. Rain-Splash Erosion
 - ii. Sheet Erosion
 - iii. Rill Erosion
- 6a. Mention two (2) control measures of soil conservation and three (3) benefits of soil and water conservation (5marks)
- 6b. Explain the following terms, stating how they can be used in soil conservation (10 marks)
 - i. Terraces
 - ii. Waterways
 - iii. Vegetative barriers
 - iv. Structures