



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

**EXAMINATION: SECOND SEMESTER 2019\_2**

**COURSE CODE: SLM 306**

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

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

**TIME ALLOWED: 2 Hour**

**QUESTIONS**

- 1a. List the components of a water shed? (10 marks)
- b. Explain the five (5) components mentioned above (15marks)  
Total= 25 marks
2. Define Land husbandry (3marks)
  - b. Write short notes on the following
    - a. Drainage Basin
    - b. Catchment
    - c. Basin(4marks each=12 MARKS)  
Total = 15marks
- 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. List three (3) impacts of gully erosion in Nigeria (3marks)
- 5a. Explain incisively the following terms? (15marks)
  - i. Rain-Splash Erosion (5 marks)
  - ii. Sheet Erosion (5 marks)
  - iii. Rill Erosion (5 marks)
- 6a.
  - i. Mention two (2) measures used in soil conservation. (2marks)
  - ii State three (3) benefits of soil and water conservation (3marks)
- 6b. Explain the following terms, stating how they can be used in soil conservation (2.5 marks each =10 marks)
  - i. Terraces
  - ii. Waterways
  - iii. Vegetative barriers
  - iv. Structures