



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCE
2025_2 EXAMINATIONS**

COURSE TITLE: SOIL EROSION AND CONSERVATION (2CU)

COURSE CODE: SLM 306

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer 3 questions in all

Question 1 is compulsory (30 marks) and any other TWO questions (20 marks each)

TIME ALLOWED: 2 Hours

- 1a. Discuss the on-site problems of erosion (10 marks)
- 1b. Discuss the off-site problem of erosion (10 marks)
- 1c. What does control measures of soil conservation entails?. (10 marks)
- 2a. Give a brief explanation of any six (6) tropical land use functions. (12 marks)
- 2b. Enumerate and briefly describe the three main characteristics of soil that control soil erosion. (8 marks)
- 3a. List and give 3 examples of the major soil conservation measures (6 marks)
- 3b. Explain what soil management strategies implies (4 marks)
- 3c. Explain what mechanical strategies for soil conservation implies (5 marks)
- 3d. List and explain with examples the two types of incentives (5 marks)
- 4a. Explain what agronomic soil conservation measures implies (5 marks)
- 4b. In what ways does extension approaches address soil conservation (5 marks)
- 4c. Briefly discuss i) Farmer Participation ii) Education and Training of farmers iii) Technical Assistance and iv) Incentives aspects of extension approaches (10 marks)