



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

EXAMINATION: 2021_1 POP EXAMINATION

COURSE TITLE: SLM 506: INTEGRATED SOIL MANAGEMENT (2 CU)

COURSE CODE: SLM 506

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

QUESTION

Q1

- a. Fully explain soil erosion (15 marks)
- b. What are the causes and effects of water erosion (15 marks)

Q2

- a. Briefly describe soil erodibility? (5 marks)
- b. How does soil texture and organic matter affect soil erodibility? (15 marks)

Q3

- a. What is carbon sequestration? (10 marks)
- b. How is carbon sequestered in the soil? (10 marks)

Q4

- a. Define Regosols (10 marks)
- b. Outline the characteristics of Regosols (10 marks)