



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

EXAMINATION: 2021_1 POP EXAMINATION

COURSE CODE: SLM 512

COURSE TITLE: FERTILIZER TECHNOLOGY (2 UNITS)

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer *THREE* Question in all

Question 1 is compulsory (30 marks) and any TWO Questions (20 marks)

TIME ALLOWED: 2 hours

Q.1a. Define the term Fertilizers and list examples of fertilizer elements (7 Marks)

b. In table form, list all the nutrients supplied by Air and water and nutrients supplied by the soil system. (18 Marks)

c. Briefly explain the following terms: Straight and Compound Fertilizer (5 Marks)

Q.2a. what are the significance of beneficial nutrients such as Nickel, Sodium, Cobalt, Silicon and Aluminum? (10 Marks)

b. How do you assess Fertilizer Materials? (10 Marks)

Q.3.aWhat is the importance of fertilizers in crop production? (10 Marks)

b. State the disadvantages of using organic fertilizers (10 Marks)

Q. 4. What are the advantages and disadvantages of using organic fertilizers in agricultural crop production? (20 Marks)