



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

EXAMINATION: 2021_2 POP EXAMINATION

COURSE CODE:SLM 510

COURSE TITLE: SOIL SURVEY AND LAND EVALUATION

Instruction: Answer 4 questions in all; No. 1 is compulsory and carries 25 marks and any other three questions carrying 15 marks each. 2 CU

TIME: 2HRS 30MINS

QUESTION

1. a. State at least two (2) definitions of soil survey (5 marks)
b. Outline at least five (5) sources of information in soil survey (10 marks)
c. Briefly describe soil survey (10 marks)
2. a. Define Soil mapping (5 marks)
b. Explain types of soil maps as a function of density and precision (10 marks)
3. a. Explain the significance of photographs as relates to soil survey (5 marks)
b. Mention the five procedures involved in photographing a soil profile (5 marks)
c. List the metadata that should be recorded after each photograph (5 marks)
4. a. What do you understand by soil texture? (5 marks)
b. Outline the importance of soil texture (5 marks)
c. How does texture relate to soil fertility? (5 marks)
5. a. Where do we find soil survey reports? (5 marks)
b. Enumerate ten (10) contents of soil survey report (10 marks)
6. a. Outline the ten (10) procedures for a detailed soil survey (15 marks)