



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION**

SOS 301 :INTRODUCTION TO SOIL PEDOLOGY (2 CR)

TIME ALLOWED: 3Hours

INSTRUCTION(S): ANSWER ANY FOUR QUESTIONS IN TWO HOURS

Q1

- a) Briefly discuss the relevance of the study of the soil to mankind.
- b) Give a definitive description of the word soil.

Q2

- a) With reference to weathering, briefly describe the origine/formation of the soil.
- b) List the soil forming factors

Q3 Write a short descriptive note on each of the following.

(a) Topography and soil formation (b)Biota and soil formation (c)climate and soil formation

Q4

- a) Describe the morphological characteristics of the soil.
- b) Write a short note to explain each of the following.(i) Soil porosity (ii) soil texture. (iii) component of the soil,

Q5

- a) List the three types of weathering
- b) Describe the 3 types of weathering listed in a above
- c) List 3 types of rocks

Q6

- a) Explain how organic matter and micro organisms influences the fertility of the soil.
- b) List the practices that can destroy the soil
- c) State the importance of soil mapping.