



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikwe Express Way, Plot 91,
Cadastral Zone, Jabi,
Jabi, Abuja

Faculty of Agricultural Sciences

June/July 2017 Examination

COURSE CODE: SOS303

COURSE TITLE: - INTRODUCTION TO PEDOLOGY AND SOIL PHYSICS

INSTRUCTION: - ATTEMPT ANY FOUR QUESTIONS IN 2 HOURS

Question One

- a) What is the agricultural definition of the soil?
- b) List the importance of soil to man
- c) List the three 3 basic types of soils focusing the percentage particle size composition,

Question Two

- a) Describe the structure call Rock
- b) List the type of rocks
- c) Write a short descriptive note on rocks formed as a result of sedimentation and give 3 examples of rocks formed from such actions.

Question Three

- a) What is weathering
- b) List five agents of biological weathering.
- c) Write a comprehensive note on physical weathering

Question Four

- a) Outline the components of i) chemical and ii) biological weathering
- b) Use passive and active factors to explain the soil formation

Question five

- a) Write a short note on i) soil texture (ii) soil permeability (iii) soil infiltration rate.
- b) List any 3 soil s reactions

Question Six

- a) Discuss the importance of soil amendment to a crop producer.
- b) Write a short note on biological properties of the soil.