

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF SOIL SCIENCE AND TECHNOLOGY

2016/2017 RAIN SEMESTER EXAMINATION

COURSE CODE: SST 822

COURSE TITLE: ADVANCED SOIL & WATER MANAGEMENT

TIME: THREE (3) HOURS

INSTRUCTION: ATTEMPT ALL QUESTIONS.

1. Write extensively about the following terms and show how they can impact on soil erosion:
 - a. Soil texture
 - b. Soil structure
 - c. Soil porosity.
2. Discuss:
 - a. Soil pH
 - b. Salt affected soils
 - c. Calcareous soil.
3. Soil environment is learning with biological life and is one of the most abundant and diverse ecosystem on earth. Discuss the general characteristics and functions of:
 - a. Soil flora
 - b. Soil fauna
4. Enumerate systematically how you would manage salt affected soil.
5. Discuss the factors that affect water erosion and compare them critically with the factors that affect wind erosion.