

ONDO STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
(OSUSTECH) OKITIPUPA



Faculty of Agriculture, Food and Natural Resources  
Department of Crop, Soil and Pest Management Technology  
Second Semester, 2018/2019 Session

Course Title: Basic Soil Science: CSP 202 Course Unit: 2  
Time allowed: 2 hours. Instructions: Attempt any four questions.

Question 1

- Define soil as an agriculturist. (2mks)
- State any ten importance of soil in relation to the environment. (5mks)
- List any ten useful importance of soil water. (5mks)

Question 2

[download more on stechitegist.com](http://stechitegist.com)

- State and explain the levels of soil moisture present in the soil. (2mks)
- List and explain briefly the soil moisture constant. (8mks)
- List any four factors affecting infiltration. (2mks)

Question 3

Define the following terms in studying the soil:  
Soil structure and Soil suction characteristic curve  
Hydraulic conductivity and Soil infiltration  
Soil air and Soil colloids.

(3 x 4 mks)

Question 4

- What is Soil temperature. (1mk)
- State any 5 Effects of soil temperature and how to maintain soil temperature. (5mks)
- List and give two properties each (with examples) of the group classification of clays. (6mks)

Question 5

- What is soil organic matter? (1mk)
- List eight importance of organic matter. (4mks)
- State any 6 factors affecting the rate of Organic Matter Decomposition. (3mks)
- List and explain briefly 4 methods of maintaining Soil organic matter. (4mks)

Question 6

- Identify and explain briefly the different components of soil, and state any two of their functions. (10mks)
- What is weathering and list the types of chemical weathering. (2mks)