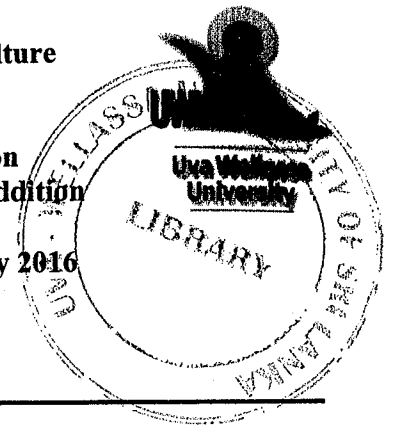


Uva Wellassa University
Faculty of Animal Science and Export Agriculture

B.Sc. in Export Agriculture
B.Sc. in Tea Technology and Value Addition
B.Sc. in Palm & Latex Technology and Value Addition

End Semester Examination – January/February 2016
Year I Semester II

Principles of Soil Science (EAG 171-2)



Instructions

Answer **only four (04)** questions

No. of questions : Two (05)
No. of pages : One (01)
Total marks allocated : 100 %
Time : Two hours (2 hrs)

ESSAY

Question 01

“Soil does not act only as a medium for plant growth but serves in many other functions in the environment”. Discuss this statement and support your arguments with appropriate examples.

(100 Marks)

Question 02

2.1 Discuss the main chemical and physical changes occur in soil formation.
2.2 Make an account on the factors that may retard soil development.

(50 x 2 Marks)

Question 03

Write short notes on following soil physical properties.

- | | |
|---------------------------|----------------------|
| (a) Soil structure | (b) Soil texture |
| (c) Soil moisture content | (d) Soil consistency |

(25 x 4 Marks)

Question 04

Discuss the importance of following soil chemical parameters and properties in crop production.

- | | |
|-------------------|------------------------------|
| (a) Soil pH | (b) Cation exchange capacity |
| (c) Soil salinity | (d) Organic matter content |

(25 x 4 Marks)

Question 05

Write short notes on following;

- | | |
|---|--------------------------------------|
| (a) Atterberg limits | (b) Soil colour |
| (c) Levels of soil classification methods | (d) Building blocks of clay minerals |

(25 x 4 Marks)