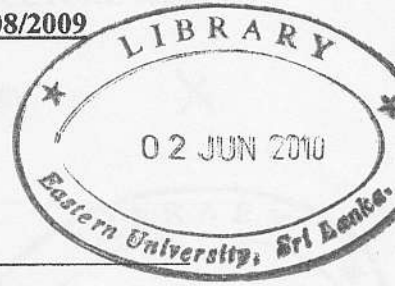


**EASTERN UNIVERSITY, SRI LANKA**

**First Year, First Semester Examination in Agriculture -2008/2009**

**ACH 1101- Principles of Soil Science (3:30/30)**



Time Allowed: Two hours

**Answer all the questions**

- 1) a. Define the term "*weathering*", and explain the agents of Chemical Weathering.  
b. Discuss the morphological characteristics and fertility characteristics of Solodized Solonetz.
- 2) a. Explain the nomenclature components of new comprehensive soil classification system.  
b. "*Climate influence the soil formation*". Comment on the statement.
- 3) a. Distinguish between Igneous and Metamorphic rocks.  
b. Illustrate the typical soil profile and characterize its horizons.
- 4) Write short notes on the followings
  - a. Soil survey maps.
  - b. Mineral cleavage.
  - c. Rocks of Highland series in Sri Lanka.

\*\*\*\*\*