

EASTERN UNIVERSITY SRILANKA

FIRST YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2005/2006

ACH-1101 PRINCIPLES OF SOIL SCIENCE

Answer all questions

Time allowed: **2 hours**

1. a) Discuss the factors affecting the physical weathering of rocks and minerals.
b) Compare the pedogenic processes of podsolization and laterization.

2. a) "Basalt, even though is a basic rock sometimes it produces acidic soils" – Justify this statement
b) Briefly explain the system of soil classification that is currently being used.

3. List the different productive soil groups found in the Dry zone of Sri Lanka and briefly explain the characteristics of soil groups found in Batticaloa district.

04. Write a **brief account** on the followings:
 - a) Types of soil survey in geomorphic studies.
 - b) Formation of organic sedimentary rocks.
 - c) Characteristics features of a typical soil profile.
