

EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE-2003/2004

(Nov./Dec. 2004)

ACH 1101 – PRINCIPLES OF SOIL SCIENCE

Answer all questions

This paper should be answered in English

Time: 2 hours

- 1) a) Classify the minerals on the basis of their luster
b) Briefly describe the formation of igneous rocks
c) Discuss the role of physical factors in weathering process.
- 2) a) Discuss the role of biotic factor on soil formation
b) Briefly explain the aerial photography and its uses in soil studies
c) Briefly explain the land capability classification system
- 3) Differentiate following
 - a) Rudaceous and Argillaceous rocks
 - b) Cleavage and Fracture of minerals
 - c) Podsolization and laterization
- 4) Write short notes on the following
 - a) Modern techniques usage in soil surveys studies
 - b) Characteristics feature of ideal soil profile
 - c) Great soil groups in Sri Lanka
