

EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2009/2010

ACH-1101 PRINCIPLES OF SOIL SCIENCE

MAY/JUNE 2011

Answer all questions

Time: 2 hours



1. a) Discuss the importance of biotic factors on soil formation.
b) Characterize the major soil horizons of a mature soil profile.
2. a) Write an account on land capability classification.
b) Explain the processes in chemical weathering.
3. a) Discuss the categories of New Comprehensive Classification.
b) Explain the fertility characteristics of Reddish Brown Earth (RBE) in Sri Lanka.
4. Write short notes on the followings
 - a) Eluviation and Illuviation.
 - b) Types of Soil Survey.
 - c) Contact thermal metamorphism and Geothermal metamorphism.
