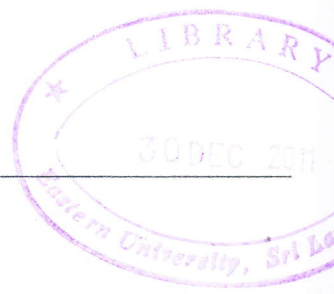


EASTERN UNIVERSITY, SRI LANKA
SECOND YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE- 2006/07
ACH 2101 – SOIL PROPERTIES (3:30/30)
EXTERNAL DEGREE



Time Allowed: Two hours

Answer all questions.

- 1) a. Classify the soil water. (30 Marks)
b. Explain the importance of soil texture in Agriculture. (30 Marks)
c. Briefly explain about “soil aggregation and its stability”. (40 Marks)

- 2) a. Differentiate the four primary types of soil structure. (40 Marks)
b. Briefly discuss about the factors influencing bulk density. (20 Marks)
c. Explain the important properties of layer silicate clays. (40 Marks)

- 3) Write short notes on:
a. Significance of soil pH. (25 Marks)
b. Sources of charges on silicate clays. (50 Marks)
c. Soils getting different colours. (25 Marks)

- 4) a. Explain the factors influencing the capacity of soil to hold water. (25 Marks)
b. Differentiate organic colloids from inorganic colloids. (25 Marks)
c. Explain the factors controlling soil reaction. (50 Marks)
