



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE- 2006/2007

ACH 2101 – SOIL PROPERTIES (3:30/30)

EXTERNAL DEGREE

Time Allowed: Two hours

Answer all questions.

- 1) a. Write an account on “Soil texture and its importance in Agriculture”.
b. Briefly explain the term soil structure and classify soil structure with respect to its type.

- 2) a. Explain the term layer silicate clay and its properties.
b. “pH influences the charge development in colloids”. Briefly discuss this statement.
c. Write an account on aggregate stability.

- 3) a. Describe the factors influencing the capacity of soil to hold water.
b. Briefly discuss the significance of soil pH in soil fertility.

- 4) Write short notes on followings:
 - a. Atterburg’s limit
 - b. Soil porosity
 - c. Buffering of soil
