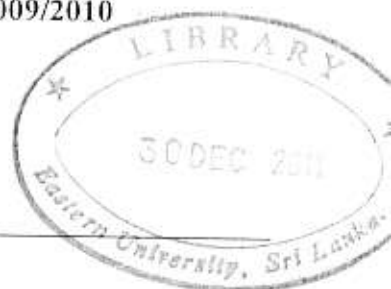


EASTERN UNIVERSITY SRILANKA

Second Year First Semester Examination in Agriculture –2009/2010

ACH 2101 – Soil Properties (3:30/30)

(June /July – 2011)



Time – Two hours

Answer All Questions.

1. a. (i) Write the importance of soil texture in Agriculture.
(ii) Classify the soil water based on the force with which the water is held to the soil.
- b. Briefly explain the types of soil structure.
2. a. Briefly discuss about the general properties of soil colloids.
b. How Cation Exchange Capacity influencing nutrient availability to crops.
3. a. Briefly explain the factors controlling soil reaction.
b. Explain the effect of flooding on soil oxidation reduction reaction and nitrogen availability in soils.
4. Write short notes on the following;
 - a. Soil bulk density.
 - b. Sources of negative charges on silicate clays.
 - c. Soil colour.
