



**EASTERN UNIVERSITY, SRI LANKA**  
**SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE- 2006/2007**  
**ACH 2101 – SOIL PROPERTIES (3:30/30)**  
**EXTERNAL DEGREE (REPEAT)**

Time Allowed: Two hours

Answer all questions.

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1. a. 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. Write the importance of soil texture in Agriculture.
  
3. a. Briefly explain the factors affecting soil porosity.  
b. Differentiate organic colloids from inorganic colloids.
  
4. Write short notes on the following;
  - a. Soil bulk density.
  - b. Sources of negative charges on silicate clays.
  - c. Soil colour.

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