

EASTERN UNIVERSITY, SRI LANKA
FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE 2010/2011

Dec /Jan 2012/2013

SOIL CHEMISTRY (ACH – 4109)



Answer all questions

Time: One Hour

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1. Discuss the followings;
 - a. Electro kinetic potential between the surface of the colloid and any point in the mass of the suspending liquid.
 - b. DLVO theory.
 - c. Normalized Exchange Isotherm.

 2. a. i. Briefly explain the factors affecting on the thickness of diffuse double layer.
 - ii. How do you use this knowledge when reclaiming a problematic soil?
 - b. Describe Quantity – Intensity relationship in supplying nutrients to plants.
