



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

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.
