

EASTERN UNIVERSITY, SRI LANKA

FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2016/2017

AC – 4107 SOIL CHEMISTRY (2:20/20)

Answer all questions

Time: One Hour

1. a. "The DLVO theory explains the tendency of colloids to agglomerate or remain discrete" Discuss the statement with graphical illustrations (35 marks)
- b. Briefly explain the Normalized Exchange Isotherm in a homovalent binary system. (15 Marks)
2. Briefly describe the followings:
 - a. "IA unit different in radii of 2 cations of same valency may lead to considerable difference in selectivity coefficient"
 - b. Factor affecting the thickness of diffuse double layer
 - c. Sequence in the formation of a double layer
