

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

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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

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Eastern University, Sri Lanka

Fourth Year First Semester Examination in Agriculture 2016/2017 (November 2018)

CS 4109 Fruit Crop Management

01 hour

Answer all questions

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Briefly explain the followings;

- a. Types of training system adopted in grape vine (*Vitis vinifera*).
- b. Planting plans in orchard.

Write short notes on the followings;

- a. Alternative bearing in mango (*Mangifera indica*).
- b. Special agronomic practices adopted in banana (*Musa* spp.) cultivation.
- c. Steps involved in papain production.

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