

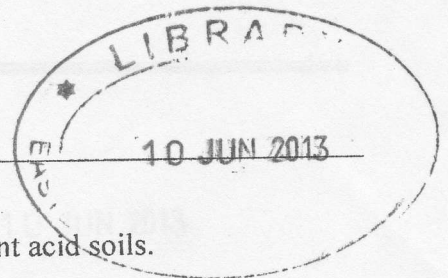
EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2010/2011

AC 2101: PROPERTIES AND APPRAISAL OF SOIL

Time: 2 hour

Answer all questions



- 1) a. Explain the sources that are responsible for the development acid soils.
b. How montmorillonitic clay differs from kaolinitic clay?

- 2) a. Classify the salt affected soils based on their chemical characteristics.
b. State the importance of buffering action in soil and explain the factors that influencing the buffer capacity.

- 3) a. What do you understand by "Cation Exchange" in soils and explain it's importance in plant growth.
b. Explain the role of microorganism in soil.

- 4) Write short notes on the followings
 - a) Gas Exchange Mechanisms in soils.
 - b) Atterburgs limits and their importance.
 - c) Importance of soil organic matter.