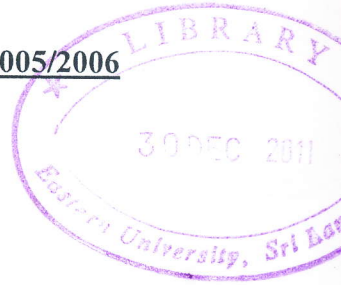


EASTERN UNIVERSITY, SRI LANKA

Third Year, First Semester Examination in Agriculture -2005/2006

ACH-3101 Soil Fertility and Plant Nutrition

External Degree



Time – Two hours

Answer all Questions

1. a. Explain the ways by which nutrients move from soil to plant roots for uptake
- b. Briefly explain the gaseous losses of nitrogen from soil.

2. a. Discuss the factors affecting organic matter content in soil
- b. Briefly discuss about the sorption and desorption of phosphorus in soil.

3. a. Explain the impact of C : N ratio of organic residue on nitrogen availability
- b. Discuss the main pathways of potassium through plant and soil

Write short notes on the followings.

- a. Fertilizer use efficiency.
- b. Merits and demerits of foliar application and soil application of fertilizers.
- c. Chelates.
