

EASTERN UNIVERSITY, SRI LANKA

Third Year, First Semester Examination in Agriculture – 2009/2010

ACH 3101 Soil Fertility and Plant Nutrition (3:30/30)

Repeat



Time: Two hours

Answer to all questions

1. a. Explain the ways by which nutrients move from soil to plant roots for uptake
b. Briefly explain the transformations of nitrogen in soil
2. a. Write an account on Sulphur Reduction and Oxidation.
b. Discuss the effect of pH on Phosphorous availability.
3. a. Discuss the effects of pesticide pollution in soil.
b. Explain the fertility characteristics of Reddish Brown Earth soils (RBE) in the dry zone of Sri Lanka.
4. Write short notes on the followings.
 - a. Foliar application of fertilizer.
 - b. Soil testing to identify nutrient status of soil.
 - c. Eutrophication.
