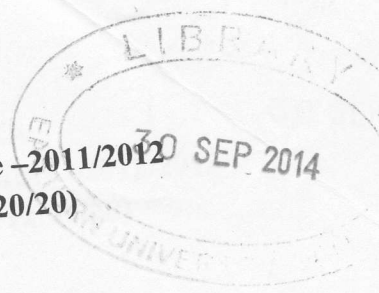


EASTERN UNIVERSITY SRILANKA
Third Year First Semester Examination in Agriculture -2011/2012
AC 3101 – Soil Fertility and Plant Nutrition (2:20/20)
(Aug /Sept – 2014)



Time – One hour
Answer All Questions.

1. a. Explain the ways by which nutrients move from soil to plant root.
b. Briefly discuss about the nitrification process.
c. Discuss about the impact of organic manure addition on soil improvement.

2. a. Discuss about the three major types of organic matter in soil.
b. Comment on the following statements:
 - i. Chelation increases solubility and plant uptake of metals.
 - ii. Maintaining soil pH between 6 and 7 will generally result in the most efficient use of phosphate.
