

Eastern University, Sri Lanka
Final Year First Semester Examination in Agriculture 2013/ 2014
AC 4109: Applied Soil Plant Microbe Interaction (2:25/10)

Time- 2 hours

Answer all questions

- Q1) a. Evaluate the effects of land management practices on soil organism activities?
b. Explain the biochemical pathways of phosphorus.
- Q2) a. Describe the different kinds of plant-bacterial interaction in rhizosphere.
b. Define biopesticides and characterize the classes of biopesticide.
- Q3) a. Write an account on biological turnover of organic matter.
b. Discuss about terrestrial and geological CO₂ sequestration.
- Q4). Compare and contrast
- a. Bioventing and Biosparing
 - b. Immobilization and mineralization
 - c. Biological nitrification and denitrification