

EASTERN UNIVERSITY, SRILANKA

THIRD YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE-2005/2006

ACH 3102 – SOIL FERTILITY AND PLANT NUTRITION (2:15/30)

Answer all questions

This paper should be answered in English

Time: One hour

- 1) a. Briefly explain the parameters that are commonly used to evaluate the soil fertility.
 - b. Give the characteristic features of the following nitrogen fixing organisms;
 - i. Rhizobium
 - ii. Blue green Algae and Azolla
 - iii. Azatobacter
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- 2) Write a brief account on the followings;
 - a) Factors affecting potassium fixation in soils.
 - b) Soil solution theory.
 - c) Balanced fertilizers.
