

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2004/2005

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 effect of soil pH on the availability of phosphorous in soil.
 - b) List the different types of soils found in Batticaloa district and give their fertility characteristics.
 - c) Briefly discuss the environmental risks in relation to rate of fertilizer application to crops.
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2. Write brief account on the following:
 - (a) Chelates and it's significance.
 - (b) Nutrient exchange theory
 - (c) Fertilizer use efficiency and guidelines to its improvement
