

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2014/2015
(August 2015)
ACH 3201 – SOIL PROPERTIES AND SOIL FERTILITY MANAGEMANT
External Degree. (Practical - Missed exam)

Time Allowed: One hour

Answer all questions.

1. A. In Saththukkondan, there are white patches on the surface of the soil.
 - a. Predict the cause for the white deposit/ colouration
 - b. What are the parameters have to be tested in the laboratory to confirm the problem.
 - c. Explain the reason for the above problem and give some remedial measures.

- B. A farmer reported that he observed colored patches in his paddy land.
 - a. Explain the reason for the above observation.

2. In a farmer's field you have mixed in a large amount (may be 5 tons-dry basis/ha) of rice straw just about a week before planting chillies. At planting time you applied chemical fertilizer to supply recommended amount of N, P and K. The chillie germinated well and shortly, thereafter leaves turns to yellow. Tests show very low NO_3^- nitrogen in the tissue. What is wrong with the chillie, and why? The farmer on whose field this is observed asks you, what to do. What is your answer?
