

EASTERN UNIVERSITY, SRI LANKA
FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2012/2013
AC – 4111 SOIL FERTILITY EVALUATION AND MANAGEMENT
Practical Examination (Mar –Apr – 2015)

Answer all questions

Time: Two Hours

- 1.a. Indicate the steps to be followed to prepare a collected plant sample for nutrient analysis
- b. Briefly discuss about the diagnostic steps can be adopted to assess soil fertility
- c. You have collected soil from location A and B . And allowed the samples to dry at room temperature. Filled two glass jars half way with water, then placed a dry clod of soil from each sample into its jar. Stirred the water gently. Interpret the results based on the observations given bellow.

Soil collected from A:

Soil clods that hold together, that absorb water easily, and that emit air bubbles

Soil collected from B:

Soil that falls apart and gives off few air bubbles

2. a. List down the factors to be considered in fertilizer calculation
- b. You have a 50- Kg bag of 26-5-10 fertilizer that you want to apply to a lawn at a rate of 1.0 Kg nitrogen per 1000 m². How much of the 26-5-10 fertilizer will you need to apply per 1000 m²?
- c. How many 50-Kg bags of 26-5-10 will you need to fertilize a 30,000 m² lawn at 1.0 Kg nitrogen per 1000 m².

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