



Uva Wellassa University
Faculty of Animal Science & Export Agriculture
BSc in Export Agriculture
BSc in Tea Technology & Value Addition
BSc in Palm & Latex Technology & Value Addition



End Semester Examination - February/March 2012
Year II Semester I

Plant Nutrition & Soil Fertility Management
(EAG 271-2) / (TEA 211-2) / (PLT 271-2)

Part III – Essay

Question 01

I. Write **short notes** on the followings.

- a) Factors affecting the organic matter content in the soil (06 marks)
- b) Role of Cation Exchange Capacity in soil nutrition (06 marks)
- c) Commonly available NPK fertilizer mixtures in Sri Lanka (06 marks)

II. If 150 kg of a fertilizer (6-10-8) was applied per acre, estimate the kilograms of N, P_2O_5 , and K_2O applied to this field?

(Atomic weights of N, P, K & O are respectively 14g, 31g, 39g & 16g) (12 marks)

Question 02

- I. What do you understand by the term “Problem Soils”. (05 marks)
- II. List **five (05)** types of problem soils found in Sri Lanka and describe the ways of identifying them. (15 marks)
- III. What measures could be practiced to reclaim **two (02)** of the problem soils stated in 2(II). (10 marks)