



Uva Wellassa University
Faculty of Animal Science & Export Agriculture



BSc in Palm and Latex Technology and Value Addition

End Semester Examination – March/ April 2013
Year II Semester I

Plant Nutrition and Soil Fertility Management (PLT 271-2)

Instructions

Answer all questions

No. of questions : Essay Questions (02)

No. of pages : One (01)

Time : 01 hour

Total marks allocated : 50%

Index No:

Part III - Essay

Question 01

I. In order to maintain the appropriate growth of the crops in agricultural field, external sources of plant nutrients are needed. Briefly explain the reason for this requirement.
(10 marks)

II. 250 kg of a fertilizer mixture (6-10-8) was applied per hectare of farm land.

i) Estimate the kilograms of N, P and K applied to this field.

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

(06 marks)

ii) If plants were established with spacing of 2 m x 2 m in this field and they were fertilized equally without any wastage, calculate the N, P and K gain of each plant.

(09 marks)

Question 02

Giving examples, describe how agricultural practices affect on soil erosion.

(25 marks)