



Uva Wellassa University  
Faculty of Animal Science & Export Agriculture

BSc in Palm and Latex Technology and Value Addition  
End Semester Examination – August / September 2014  
Year III Semester II



**Genetic Improvement of Perennial Crops - PLT 311-2**

**Instructions:**

Answer all questions

No. of Questions : Two (02)

No. of Pages : One (01)

Time : One Hour (01 hr)

Total Marks Allocated: 60%

**PART II – ESSAY**

**Question 01**

(15 X 2 = 30 Marks)

- 1.1 Discuss clone recommendation in rubber plant genetic improvement.
- 1.2 Discuss the breeding strategies and constraints in coconut breeding.

**Question 02**

(7.5 X 4 = 30 marks)

Write short notes on any four (04) of followings.

- 2.1 Production of hybrids as new varieties of facultative apomixes fruit crops.
- 2.2 Applications of in vitro techniques in developing new varieties.
- 2.3 Polyploidy manipulation in cultivar development to develop new varieties.
- 2.4 Use of mutation breeding in development of new crop varieties in Sri Lanka.
- 2.5 Integration of molecular techniques in crop improvement.