

Uva Wellassa University  
Faculty of Animal Science & Export Agriculture  
B.Sc. in Export Agriculture /  
B.Sc. in Tea Technology and Value Addition



End Semester Examination February / March 2012  
Year II Semester I

Plant Physiology and Crop Production (EAG 251-2)

**Instructions**

Answer **all** questions

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%

Time : One hour (1hr)



**Part III- Essay**

**Question 1**

1. a) Briefly explain the effects of water stress on plant growth and development?

(15 marks)

1. b) How can plant water stress be managed? Describe the basic mechanisms adopted by a plant to minimize water stress?

(15 marks)

**Question 2**

2. Giving reasons, explain why  $C_4$  plants are more productive and survive better under resource limited environments than  $C_3$  plants

(20 Marks)