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Faculty of Animal Science & Export Agriculture  
Uva Wellassa University



Uva Wellassa  
University

B.Sc in Export Agriculture  
Year II Semester I  
End Semester Examination - December 2008  
Plant Physiology and Crop Production (EAG 251-2)

### Essay

#### Instructions

Answer all questions.

No. of questions : Two (02)  
No. of pages : One (01)  
Time : 60 minutes  
Total marks allocated : 50 %

1. a) Giving reasons, explain why  $C_4$  plants are more productive and survive better under resource limited environments than  $C_3$  plants  
(15 marks)
- b) Write short notes on following
  - i. Phloem transport
  - ii. Evaporation-tension-cohesion mechanism(10 marks)
2. a) Briefly explain the effects of water stress on plant growth and development?  
(10 marks)
- b) How can plant water stress be managed? Describe the basic mechanisms adopted by a plant to minimize water stress?  
(15 marks)