



Uva Wellassa University
Faculty of Animal Science & Export Agriculture
B.Sc in Export Agriculture
Year IV Semester I
End Semester Examination- Feb/March 2011



Applications of Tissue Culture (EAG 411-2)

Instructions

Answer all questions.

No. of questions : Two (02)
No. of pages : One (01)
Time : One hour (1 hr)
Total marks allocated : 100%

Part II - Essay

Question 01

- i. Discuss the advantages of **cell cultures** used in the production of secondary metabolites. (50 Marks)
- ii. Briefly discuss the following.
 - a. Different types of cell suspension cultures (25 Marks)
 - b. Uses of protoplast (25 Marks)

Question 02

Discuss the complete procedure used for the production of *invitro* plants through a callus culture using leaf cuttings as an explant. (100 Marks)