

(09)

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Science and Technology Degree Programme
3rd Year 2nd Semester Examination – August/September 2014



SCT 313-2 Cell and Tissue Culture

Part B

1.
 - a. What factors are responsible for the following conditions?
 - i. Browning of cultured tissues
 - ii. Vitrification of *in vitro* plantlets

(10 marks)
 - b. Suggest remedial measures to control tissue browning and vitrification.

(15 marks)
2.
 - a. Explain why tissue culture plants need to be acclimatized.

(10 marks)
 - b. Briefly describe the stepwise procedure you would adopt for acclimatization of *in vitro* plants.

(15 marks)