

Uva Wellassa University, Sri Lanka
End Semester Examination – Sep/Oct 2012
SCT 313-2 Cell and Tissue Culture
Time: Two (02) hours



PART – B (50 marks)

1.
 - a. Why maintaining strict sterile (aseptic) conditions is important in plant tissue culture laboratory? (10 marks)
 - b. Explain how the Laminar Flow Hood provides an aseptic environment. (10 marks)
 - c. Briefly explain the good tissue culture practices one should follow when working in the Laminar Flow Hood. (05 marks)

2.
 - a. What is phytosanitation? (05 marks)
 - b. Explain a tissue culture based protocol to develop virus free potato plants using virus infected mother plants? (20 marks)

3. Discuss how tissue culture propagation of ornamental plants guarantee high quality, uniform and disease-free plants for the export market" (25 marks)

-----End of part B-----