

**EASTERN UNIVERSITY, SRI LANKA**

**Final Year/First Semester Examination in Agriculture 2006/2007**

**CSC: 4112 Tissue Culture Techniques**

**Time: One (01) hour**

**Answer all questions**

1. a). Briefly describe the different types of *in vitro* culture.  
b). List the advantages of *in vitro* culture.  
c). Briefly explain the different steps involved in shoot tip culture
  
2. a). How would you eliminate virus in explants used for *in vitro* culture.  
b). Brief description on cryopreservation of plant genetic resources.  
c). Write short notes on the followings
  - (i). Somoclonal variation in tissue culture and its advantages.
  - (ii). Sources of explants for *in vitro* culture.