

# Eastern University, Sri Lanka

Final Year First Semester Examination in Agriculture 2004/2005

CSC 4112 Tissue Culture Techniques (2: 15/30)

Answer all Questions

Time allowed: 1 hour

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1. a. Briefly explain the potential use of artificial seeds compared to natural seeds.  
b. Describe the process of isolation and culture of plant protoplast.
  
2. a. What is meant by the term "Totipotency"?  
b. Briefly describe the following
  - i. Haploid plant production
  - ii. Somatic embryogenesis