

**Eastern University, Sri Lanka**

**Final Year First Semester Examination in Agriculture 2012/2013**

**(March/April 2015)**

**CS 4111: Plant Tissue Culture Technology**

**Time allowed: 1 hour**

**Answer all questions**

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1. a. Describe the patterns of cell growth in different cell cultures. **(30 marks)**  
b. What are the factors that influence organogenesis? **(20 marks)**
  
2. Briefly explain,  
a. Application of *in vitro* culture in plant breeding. **(25 marks)**  
b. Anther culture procedure with suitable diagrams. **(25 marks)**