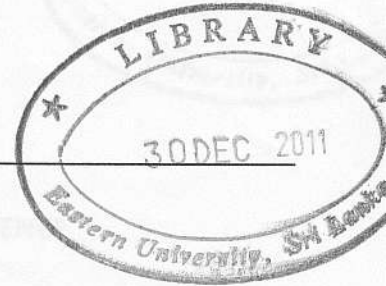


Eastern University, Sri Lanka  
First Year First Semester Examination in Science – 2009/10 (Oct/Nov-20011)  
BT 101 – Plant Diversity

Answer all questions  
Time: 2 hrs



1. a). Describe the vegetative structure and sexual reproduction of *Vaucheria*.  
b). State concisely how *Oedogonium* differ from *Vaucheria*.  
(25 marks)
  
2. a). What is a gametophyte?  
b). Discuss the range in structure of gametophytes in Bryophytes that you have studied.  
(25 marks)
  
3. a). Describe the structure of the strobilus of *Selaginella*.  
b). Explain how it differs from *Equisetum*.  
(25 marks)
  
4. Compare the structure of male gametophytes of *Cycas* and *Pinus*.  
(25 marks)