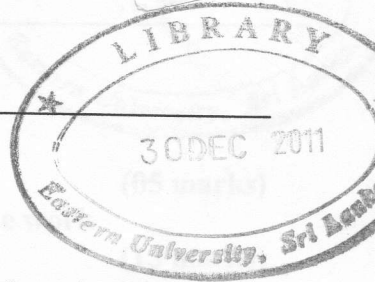


Eastern University, Sri Lanka
First Year First Semester Examination in Science – 2009/10 (Oct/Nov 2009)
BT 101 – Plant Diversity

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)