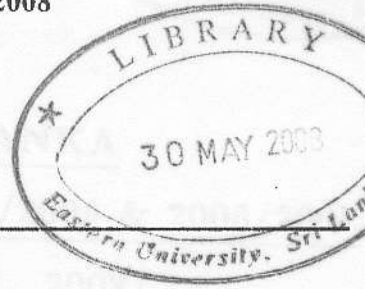


EASTERN UNIVERSITY, SRI LANKA
FACULTY OF SCIENCE

FIRST YEAR / SECOND SEMESTER EXAMINATION IN SCIENCE – 2005/2006
(Proper / Repeat) March / April – 2008

BT 101 - Plant Diversity



Answer all questions.

Time : 2 hrs

Illustrate with fully labeled diagrams wherever necessary

- 1). Describe the sexual reproduction of *Vaucheria* and state how it differs from *Oedogonium*.
- 2). How would you distinguish the gametophyte of *Anthoceros* from the gametophyte of *Pellia* and *Marchantia*.
- 3). a). What is a strobilus?
b). Compare the strobilus of *Equisetum* with the male strobilus of *Cycas* with fully labeled diagrams.
- 4). Describe the followings with suitable diagrams.
 - a). different types of life-cycles in the division **Phaeophyta**.
 - b). polyembryony in *Pinus*.