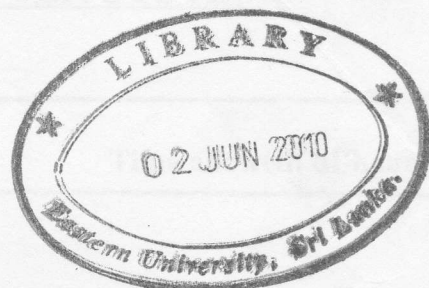


EASTERN UNIVERSITY, SRI LANKA
FACULTY OF SCIENCE
FIRST YEAR FIRST SEMESTER EXAMINATION IN SCIENCE – 2008/2009

BT-101 / Plant Diversity (Vascular & Non-vascular Plants)
(Proper / Repeat) (April 2010)

Duration: 2 hrs

Answer all questions



1. Distinguish between;
 - a. Nannandrium & Androsporangium.
 - b. Coenobium & Coenocyte.
 - c. Carpogonium & Hormogonium.
 - d. Sporocarp & Cystocarp.

2.
 - a. Describe the sporophyte of *Sphagnum*? and how it differs from *Ulva*?
 - b. Compare the gametophyte of *Equisetum* with the gametophyte of *Ectocarpus*?

3. Explain the following statements with suitable labeled diagrams;
 - a. There are some similarities in the life cycles of *Polysiphonia* and Seeded habit.
 - b. Between these two which is advanced?

4. Compare the followings with suitable labeled diagrams;
 - a. Development of male gametophyte of *Selaginella* and *Cycas*?
 - b. Underground stem of *Isoetes* and *Lucopodium*?