

EASTERN UNIVERSITY, SRI LANKA

FACULTY OF SCIENCE

EXTERNAL DEGREE



FIRST YEAR FIRST SEMESTER EXAMINATION IN SCIENCE – 2004/2005

MAY / JULY 2008

EXTBT 103 / Plant Diversity (Non-vascular Plants)

Time: 01 hr

Answer all questions

1. Distinguish between;
 - a). Asexual reproduction in *Chlamydomonas* and *Ectocarpus*.
 - b). Oogonium in *Oedogonium* and *Dictyota*.
 - c). Hormogonium and Carpogonium.
 - d). Archegonium in *Anthoceros* and *Pogonatum*.

2. a). How will you differentiate the sporophyte of *Marchantia* and *Fucus*.
b). Define the term "alternation of generation" and explain the life histories of *Pellia* and *Laminaria*.