



EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN SCIENCE-  
2004/2005  
(OCTOBER/NOVEMBER '2006)

EXT BT – 103, PLANT DIVERSITY (NON-VASCULAR PLANTS)  
(PROPER/REPEAT)

Time: 01 Hours.

Answer all questions.

1. By reference to named examples and suitable labelled diagrammes, describe the following types of life cycle found in the division Thallophyta.

- a) Haplontic
- b) Diplo-diplo-haplontic
- c) Diplontic

Discuss features of interest shown by them.

(30 minutes)

2. Distinguish the following with suitable labelled diagrammes.

- a) Sporophyte of of *Marchantia* and that of *Anthoceros*.
- b) Thallus organization in *Pellia* and in *Pogonatum*.
- c) Sex organs bryophytes and in chlorophyta.

(30 minutes)

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