

EASTERN UNIVERSITY, SRI LANKA

SECOND EXAMINATION IN SCIENCE 98/99 & 99/2000

First Semester (April 2002)

BT 204 Plant Structure and Systematic (Repeat)†

Answer All Questions

Time: 02 Hours

1.
Give a concise account of the grass family (Poaceae, Gramineae) with special reference to its taxonomic and economic importance.
2.
 - (a). Explain the term "character" as used in plant taxonomy?
 - (b). List the uses of characters.
 - (c). List the important characters of the family Asteraceae.
3.
Relate the functions of the following to their anatomy
 - (a). Pneumatophores.
 - (b). The petiole of lotus.
 - (c). Thorns.
4.
Write short notes on the following
 - (a). Parallelism and Convergence.
 - (b). Lenticels.
 - (c). Taxonomic evidence from pollen grains.