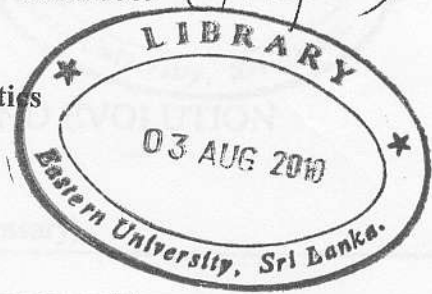


EASTERN UNIVERSITY, SRI LANKA
FACULTY OF SCIENCE
SECOND YEAR EXAMINATION IN SCIENCE – 2008/2009 (Proper)
External Degree Programme

EXTBT 201 – Plant Structure & Systematics



Duration: 2 hrs
Answer all questions

1.
 - a). What is a "Herbarium"
 - b). List down the important steps involved in a herbarium preparation
 - c). Briefly describe three of the above steps

2. Write short notes on the followings
 - a). Structure, distribution and functions of Xylem parenchyma
 - b). Botanical keys
 - c). Meristematic tissues in plants

3.
 - a). Distinguish the Secondary growth of a dicot stem and dicot root
 - b). Comment on the advantages ,disadvantages and rules of scientific Nomenclature.

4. Give brief accounts of the followings
 - a). Anatomical evidence in plant classification system
 - b). Taxonomic characters
 - c). Ergastic substances in plants