



EASTERN UNIVERSITY, SRI LANKA

EXTERNAL DEGREE EXAM IN SCIENCE - 1998/99

SECOND EXAMINATION IN SCIENCE (Re-Repeat)

(2004/2005 - March/May 2008)

EXTBT- 204 & 205 / PLANT MORPHOLOGY & PLANT ANATOMY

Answer **FOUR** questions only, selecting at least **TWO** from each part.

Time: Two hour

PART - I

1. Classify the different types of fruits found in Angiosperms.
2. Briefly discuss the followings;
 - a). Tendrils in Plants
 - b). Racemose type of inflorescence
3. Illustrate the diversity of shapes, apices and bases of leaves of angiosperms.

PART - II

4. Write short notes on;
 - a). Collenchyma
 - b). Pits
 - c). Ergastic substances in plants
5. Distinguish between;
 - a). Tracheids & Xylem fibre.
 - b). Stoma & Lenticel.
 - c). Phellogen & Vascular Cambium
 - d). Guard cells of Gramineae & Leguminosae

6. Write short notes on;

- a). Thickening of cell wall.
- b). Vascular Bundles.
- c). Secretary tissues.