



Eastern University, Sri Lanka
External Degree Programme
Second Year Examination in Science-1996/1997
(June/July, 2004) (Proper)

EXBT 204 &205, Plant Anatomy and Plant Morphology

Answer **FOUR** questions only selecting at least **TWO** from each part
Time: 02 hrs

SECTION A

- 1) Write a brief account, by means of illustrations and examples on "ergastic substances in plants".
- 2) Write short notes on following:
 - a) Vascular cambium
 - b) Xylem tissue
- 3) Compare the following:
 - a) Parenchyma with Sclerenchyma.
 - b) Tyloses with Tylosoids
 - c) Dorsiventral leaf with Isobilateral leaf.

SECTION B

- 4) Distinguish between,
 - a) Sucker and Tuber.
 - b) Monochasial cyme and Dichasial cyme.
 - c) Cruciform corolla and Caryophyllaceous corolla.
- 5) Briefly discuss the following:
 - a) *Opuntia* leaf.
 - b) *Ficus* fruit.
- 6) a) What is racemose type of inflorescence?
b) List out the different types of racemose inflorescences?