



Eastern University, Sri Lanka
/ External Degree Programme
Second Year Examination in Science-1996/97
(June/July, 2004)(Re-repeat)

EXTBT 202&203, Developmental Physiology & Plant Taxonomy

Time: 2 hrs

Answer any Four questions selecting at least Two from each part

PART A

- 1) a) List out the major types of plant phytohormones.
b) Summarize their roles in the plant growth and development.
- 2) Write short notes on the following:
 - a) Mineral nutrients.
 - b) Plant movements.
- 3) Compare the following:
 - a) Soil culture with soil-less culture.
 - b) Short day plants with long day plants.

PART B

- 4) Give a brief account on **two** of the following:
 - a) Family Leguminosae or Palmae.
 - b) Origin of Angiosperms.
 - c) Parallelism and convergence in plant evolution.
- 5) Write short notes on the following:
 - a) Binomial nomenclature.
 - b) Keys in plant taxonomy.
 - c) Type specimen.
- 6) Give a brief account of the following:
 - a) Plant characters in plant taxonomy.
 - b) Functions of Herbarium.