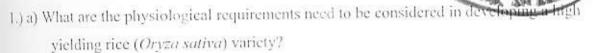
## EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE - 2008/2009

CSC 2202 CROP PHYSIOLOGY

Answer ALL Questions

Time allowed; 02 Hours



- b) Briefly explain how leaf area and canopy structure determines the Maize (Zea mays) yield,
- 2) Discuss the following:
  - a) Dry matter partitioning and source sink relationship in Cassava (Manihot esculenta).
  - b) Factors affecting tuber formation in sweet potato (Ipomea batatas).
- Photosynthesis is a process that converts carbon dioxide into organic compounds.
  Discuss the factors limiting the Photosynthetic rate in Potato (Solamum tuberosum).
- 4) Write short notes on the following:
  - a) Effects of radiation on boll shedding in Cotton (Gossypium hirsutum).
  - b) Effects of calcium on Groundnut (Archis hypogea).
  - e) Effects of nutrition and plant population on leaf quality in Tobaco (Nicotiana tabacum).