



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR/SECOND SEMESTER EXAMINATION IN AGRICULTURE – 2005/2006

CSC-2202 CROP PHYSIOLOGY (2:30/00)

Answer all questions

Time: 2 Hours

1. Briefly explain the physiological aspects of Potato (*Solanaum tuberosum* L.) at different growth stages.
2. Discuss the physiological and morphological aspects necessary to achieve the potential yield of rice (*Oryza sativa*).
3. a). Briefly discuss the plant characteristics associated with yield in Maize (*Zea mays*)
b). Write a short account on the factors affecting maximum productivity of Sugarcane (*Saccharum* sp)
4. Write short notes on the followings
 - a). Cyanogenesis in Cassava (*Manihot utilissima* Crantz).
 - b). Physiological basis for yield variation in Cotton (*Gossypium* sp).
 - c). Importance of N, P and K in Tobacco (*Nicotianum tobaccum*)