

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR/SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2004/ 2005

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

ANSWER ALL QUESTIONS

TIME : 2 HOURS

1. Write brief notes on the following with reference to potato (*Solanum tuberosum* L.)
 - a. Tuber initiation
 - b. Leaf interception, canopy structure and leaf area index in photosynthesis.

2. Briefly discuss about the plant characters associated with yield in Maize (*Zea mays* L.)

3. Write short notes on the following;
 - a. Root bulking in cassava (*Manihot utilissima* crantz)
 - b. Physiological factors related to yield of mung bean (*Vigna radiata* L.)
 - c. Importance of N, P and K in tobacco.

4. Briefly discuss the following
 - a. Factors determining maximum productivity in sugarcane (*Saccharum* sp.)
 - b. Boll drying in cotton (*Gossypium* sp.).