

EASTERN UNIVERSITY, SRI LANKA

Second year/ Second semester Examination in Agriculture

2002/2003



CSC 2202 CROP PHYSIOLOGY

ANSWER ALL QUESTIONS

Time : 2 Hours

1. Discuss the physiological and morphological aspects necessary to achieve the potential yield of rice crop.

2. Discuss the physiological and environmental factors that limit the production potential of grain legumes in the Tropics.

- 3: Write notes on the following :
 - a. Distinct productive phases in Cassava (*Manihot esculenta* Crantz).
 - b. Sink -- Source relationship in Sweet potato (*Ipomea batatas* L).

4. Write short notes :
 - a. b. Boll shedding in Cotton (*Gossypium* sp.)
 - c. Climatic requirements if Sugar cane (*Saccharum officinarum*)
 - d. Contribution of accumulated carbohydrates to rice grains.