

EASTERN UNIVERSITY
11 OCT 2014

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE – 2005/2006

& 2006/ 2007 (REPEAT)

CSC 2202: CROP PHYSIOLOGY

EXTERNAL DEGREE

Answer ALL Questions

Time Allowed: 02 Hours

01. Discuss the effects of environmental factors on boll shedding in Cotton (*Gossypium hirsutum*).
02. Briefly describe the physiological requirements for the high yield in rice (*Oryza sativa*).
03. Briefly explain the following:
 - a. Effect of leaf area and canopy structure on yield in Maize (*Zea mays*)
 - b. Factors affecting tuber formation in Sweet potato (*Ipomea batatas*)
04. Write short notes on,
 - a. Effects of calcium on Groundnut (*Arachis hypogea*)
 - b. Factors influencing the flower sheds in Legumes