

Eastern University, Sri Lanka
Second year Second Semester Examination in Agriculture 2009/2010
(Feb/March 2012)

CSC 2202 Crop Physiology

Time: Two hours

Answer all questions



1. a. Discuss the factors affecting the percentage filled spikelet in rice.
b. Briefly describe the physiological requirements to achieve higher yield in rice.
2. Briefly describe,
 - a. The effects of environmental conditions on boll shedding of cotton.
 - b. Factors that influence the photosynthetic rate in potato.
3. Brief account on the followings:
 - a. Tuberization in sweet potato
 - b. Importance of calcium in groundnut cultivation
 - c. Nutrition and plant population on leaf quality of tobacco
4. a. Explain the effects of leaf area and canopy structure on maize yield
b. Describe the growth physiology of sugarcane