

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