

Eastern University, Sri Lanka

Second Year First Semester Examination in Agriculture 2008/2009

CSC 2101: Agronomy of Field crops

Answer all questions

Time: Three hours



1. You have been assigned to advise farmer to cultivate chilli (*Capsicum annum* L.) in sandy regosol. How would you advise the farmer.
2. "Leaf quality of tobacco (*Nicotiana tabacum* L.) is influenced by soil and enviornmental conditions". Justify the statement.
3.
 - a. Briefly explain the importannce of coarse grains in Sri Lanka.
 - b. Describe the factors affecting the peg formation in groundnut (*Arachis hypogaea* L.). How would you overcome them.
4. A leading agricultural company in Sri Lanka has decided to produce true seeds in big onion (*Allium cepa* L.). If you are assigned as an Agronomist in this company how would you complete this task.
5. Explain the following;
 - a. Cultural practices adopted in potato (*Solanum tuberosum* L.) cultivation.
 - b. Establishment of vine cuttings in sweetpotato (*Ipomoea batatas* L.).
6. Write short notes on the following;
 - a. Boll shedding in cotton (*Gossipium hirsutum* L.).
 - b. System of planting in sugarcane (*Sachcharum spontaneum* L.).
 - c. Methods of inoculation of nitrogen fixing bacteria in legumes.
