

CSC 2101: Agronomy of field crops (3: 45/00)

Answer all questions

Time: 3 hours

1. a. How would you advise a dry zone farmer about cultivating one hectare of chilli
(*Capsicum annum*) (70 marks)
- b. What are the major problems associated with the cultivating of chillies and
describe the ways of over coming those problems. (30marks)
2. a. List the importance of curing tobacco (*Nicotiana tabacum*) (15 marks)
- b. Briefly discuss the following special practices in tobacco.
 1. Priming. (15 marks)
 2. De-suckering. (15 marks)
 3. Topping. (15 marks)
- c. Discuss the flue curing of tobacco. (40 marks)
2. Briefly discuss the following
 - a. Seed inoculation methods practiced in Soy bean (*Glycine max*) (30 marks)
 - b. Wrapping and propping in Sugar cane (*Saccharum officinarum*) (30 marks)
 - c. By-products from Sugar cane and their uses (40 marks)
4. Write short notes on the followings;
 - a. Importance of Earthing-up in crops. (40 marks)
 - b. Rapid propagation methods in Sugar cane (*Saccharum officinarum*) (30 marks)
 - c. Selection and storage of seed Potato (*Solanum tuberosum*) (30 marks)

5. a. How would you improve the yield of Cassava (*Manihot esculenta*) in the Batticaloa district through agronomic practices? (60 marks)
- b. Discuss the problems associated with tuber crop production. (40 marks)
6. a. Describe the importance of gypsum application in ground nuts (*Arachis hypogaea*) (50 marks)
- b. Briefly discuss different planting methods of Potato (*Solanum tuberosum*) (50 marks)