

Eastern University, Sri Lanka

Third Year Second Semester Examination in Agriculture 2008/2009

(April/May 2010)

CSC 3201: Farm practice

Answer all questions

Time : 03 hours



Section 1

1. a. What are the factors that determine planting time of the crops in Eastern region?
b. Write soil fertility management practices adopted in Sri Lanka.
c. What are the methods of plant establishment practiced during your farm practice?
2. a. Mention the different methods of fertilizer application practiced in agriculture.
b. What are the common pests and diseases identified during farm practice? How did you control them?
c. Give the precautionary measures that you should adopt when applying agrochemicals.
3. a. Write the families solanaceae and leguminaceae crops cultivated during your farm practice?
b. Give the recommended varieties for each given crops.
c. Write the critical period of water stress for greengram.
4. a. Write the special practices adopted during your farm practice in cucurbitaceous crops.
b. State the problems associated with gourds cultivation in Sri Lanka.
c. Write five ways to reduce the cost of cultivation of field crops without losing target yield.

5. a. Name the seed treatments adopted in field crops.

b. Classify the seed according to ;

1) Storage period.

2) Food reserve.

c. Write the common disease found in nursery.

6. a. Write the yield components of the following crops;

1) Groundnut (*Arachis hypogaeae* L.).

2) Maize (*Zea mays* L.).

3) Cowpea (*Vigna unguiculata* L.).

4) Tomato (*Lycopersicon esculentum* L.).

b. Mention the research centers associated with the crops in Sri Lanka.

c. Name international research institute involved in vegetable crops.

7. a. Write the different organic manures used in your farm practice.

b. List out five major differences between organically and inorganically cultivated crops that you have observed during farm practice.

c. Give five merits and demerits of organic cultivation.

8. a. What do you mean by following terms;

1) Crop yield.

2) Crop production.

3) Harvest Index.

b. Give the reasons for the followings;

1) Flower drop.

2) Poor pod development.

3) Yellowing of plant.

Section 2

1. Give the time of planting of your crop.
2. Briefly describe the agronomic practices adopted during the cultivation of your crop during farm practice.
3. Compare the crop yield obtained from your plot with potential yield and give the reasons for the variation in yield.
4. What is the optimum time of harvest of your crop.
5. What happen when you advance or delay the optimum time of harvest.

