**Prepare good and complete answers referring lessons in LMS, notes and extra readings**

**Answer all questions**

1. A). Explain the constraints in promotion of fruit crop sector in Sri lanka.

B). What are the developmental programmes started by the government to promote the fruit crop industry in Sri Lanka

1. Instruct a young farmer to start an orchard in 05 ha of a slightly sloppy land in kurunegala district.
2. Describe the different techniques that can be applied to improve the bunch quality of Banana.
3. Describe how to protect your fruit plants during a severe dry period.
4. Instruct a coconut grower in Gampaha district to increase his income with intercropping of fruit crops.
5. Give 5 commonly adaptable measures that can be practiced to minimize post harvest losses of harvested fruit crops.
6. Write important factors to be considered in selecting a bud wood in vegetative propagation of fruit plants.
7. A) Explain different methods those can be used for flower induction in non-bearing fruit trees .

**B)** Explain the different categories of fruit crops

1. A) Explain measures that can be applied to control mealy bug attack in Papaya cultivation

B) Explain measures for protecting Guava fruits from fruit fly attack.

1. Using given information regarding a Banana cultivation answer the following questions

* The basal fertilizer mixture per plant : - Urea 60 g, TSP 40 g and MOP 250 g
* Requirement of compost/ha is about 10 mt.
* Price of compost : 10 Rs/kg
* Spacing of the plant : 3m x 1m
* Average bunch weight : 15 Kg
* Farm gate price of Banana : 50 Rs/kg

Questions:

1. What is the number of plants required for 01 ha of land ?
2. Calculate the amount of each type of chemical fertilizer required/ Ha
3. What is the cost for compost to be applied per 01 ha
4. Calculate the expected total banana yield in Mt /Ha
5. What is the total income that can be obtained from bunches /Ha
6. Prepare a lecture on " **Fruit crops cultivation in Sri Lanka"** for Advance level students in a school emphasizing important points