

## CERTIFICATE IN SERICULTURE

Term-End Examination

December, 2009

00393

## BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

---

Note : Attempt any Five Questions. All question carry equal marks.

---

1. Fill in the blanks (*any ten*) : 10x1=10
- (a) Alkaline soils are reclaimed by the application of \_\_\_\_\_
- (b) \_\_\_\_\_ is the most popular mulberry variety cultivated under irrigated conditions in South India.
- (c) Mulberry is mainly cultivated for its \_\_\_\_\_ to feed silkworm.
- (d) The ideal pH range for growing mulberry is \_\_\_\_\_
- (e) Weeds can be managed manually as well as by application of \_\_\_\_\_
- (f) In india, mulberry propagation is mainly done through \_\_\_\_\_

- (g) Grafting techniques are mainly followed in \_\_\_\_\_ region
- (h) From chawki mulberry garden, harvest of leaf is done \_\_\_\_\_ times in a year.
- (i) In rainfed areas, mulberry plants are pruned \_\_\_\_\_ times in a year
- (j) Castor is propagated through \_\_\_\_\_
- (k) Leaf harvesting should invariably be done during \_\_\_\_\_ of the day.
2. (a) Where do you find mulberry trees normally in North India ? 2
- (b) Which are the major factors responsible for high leaf yield in mulberry ? 2
- (c) Which are the two systems of plantation followed in South India ? 2
- (d) Name any two popular mulberry varieties cultivated in South India. 2
- (e) Name any two types of grafting followed in mulberry propagation. 2
3. (a) Describe the role of organic manure in maintaining soil fertility. 3
- (b) What is bio-fertilizer ? Name any two commercially available bio-fertilizers used in mulberry cultivation. 3
- (c) Give two advantages of using drip irrigation 2
- (d) What are the different methods of irrigation followed in mulberry cultivation ? 2

4. (a) What is the recommended annual dose of farm yard manure to be applied to a chawki mulberry garden ? 2
- (b) How many times are the leaves harvested from a chawki garden in a year ? 2
- (c) How many DFL's of silkworm can be chawki reared annually from one hectare of chawki garden ? 2
- (d) Name any Four soil-moisture conservation measures. 4
5. (a) Name any Four advantages of shoot harvest in mulberry. 4
- (b) What is mulching ? 2
- (c) What precautions are to be taken while transporting mulberry leaves for silkworm rearing ? 2
- (d) Give two advantages of following thinning of branches. 2
6. (a) Name any three commonly used hand tools in mulberry cultivation. 3
- (b) What is the spacing followed in paired-row system of plantation ? 2
- (c) Mention any three activities which could be mechanized in mulberry cultivation. 3
- (d) How many cuttings a person can prepare manually in a day ? 2

7. Answer the following by *True* or *False* : 10
- (a) For establishing new plantation, saplings are preferred [ ]
  - (b) Removal of weak branches improves leaf quality [ ]
  - (c) Wastage of water is less in Furrow irrigation [ ]
  - (d) Urea is an organic fertilizer [ ]
  - (e) The age of mulberry seed cuttings should be less than six months [ ]
  - (f) Leaf preservation helps in maintaining the quality of leaf for silkworm rearing [ ]
  - (g) Application of bio-fertilizer is harmful to the soil [ ]
  - (h) Mulberry is a shallow rooted plant [ ]
  - (i) In South India, mulberry is cultivated mostly as tree [ ]
  - (j) Young silkworm prefer hard and coarse leaves [ ]
8. (a) Name any two primary food plants of Tropical Tasar silkworm. 2
- (b) What are the main purposes of pollarding in muga food plants ? 2
- (c) Name any two inter-crops suitable with Muga Plantation. 2
- (d) What are the means of propagation of muga food plants ? 2
- (e) Name any two secondary food plants of Eri silkworm. 2

- o O o -