

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

June, 2012

BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions. All questions carry equal marks.

1. Fill in the blanks (*any ten*) **10x1=10**
- (a) Mulberry is cultivated for its _____
 - (b) Normally mulberry plantation gets established in _____ months
 - (c) In South India, mulberry is cultivated mostly in the form of _____
 - (d) Mulberry is a _____ rooted plant
 - (e) _____ method of irrigation is generally practiced in slopes & hilly areas
 - (f) Tasar food plants are propagated through _____
 - (g) Before planting, the cuttings/saplings are treated with _____ for 20 minute
 - (h) The most common method of Irrigation followed in mulberry plantation is _____
 - (i) Green manuring plants can fix _____ in the soil.

- (j) Under 90x90cm spacing, one hectare accommodates _____ number of plants
- (k) Drip irrigation saves about _____ % of irrigation.
- (l) The most important food plant used in Eri silkworm rearing is _____
2. (a) To what depth should land be ploughed before taking up mulberry plantation ? 2
- (b) Which type of soil is preferred for mulberry cultivation ? 2
- (c) Name the common organic manures used in mulberry cultivation. 2
- (d) Name any two popular mulberry varieties cultivated in South India. 2
- (e) Name any two type of grafts followed in mulberry propagation 2
3. (a) Name any four advantages of Shoot harvest in mulberry 4
- (b) Name any four measures of soil conservation 4
- (c) Name two commercially available bio-fertilizers used in mulberry cultivation. 2

4. (a) Name any two primary food plants of tropical Tasar Silkworm 2
- (b) Name two primary food plants of Muga Silkworm 2
- (c) Name any two popular mulberry varieties cultivated in Kashmir. 2
- (d) Name any two green manuring crops used in mulberry cultivation. 2
- (e) Name any two pesticides used in mulberry cultivation. 2
5. (a) Give three important advantages of chawki rearing 3
- (b) Give three characters of chawki mulberry leaves 3
- (c) How many times are leaves harvested from a chawki mulberry garden in a year ? 2
- (d) What is the recommended dose of Farm Yard manure to a chawki garden ? 2
6. (a) Name any four advantages of Mechanization 4
- (b) Name any two activities in which mulberry cultivation could be mechanized 2
- (c) How many mandays are required to maintain one hectare mulberry garden annually ? 2
- (d) What is the spacing followed in paired-row system of plantation ? 2

7. Answer the following by *True* or *False* : **10x1=10**
- (a) Eri silkworm rearing is done throughout India
 - (b) V-1 is a local mulberry variety
 - (c) Adult Silkworm requires hard and coarse leaf
 - (d) Castor is propagated through graft
 - (e) Glycel is a weedicide
 - (f) Leaf Preservation is necessary for maintaining the quality of leaf.
 - (g) Under Rainfed Conditions, Mulberry is pruned many times a year
 - (h) Neam cake is a Chemical Fertilizer
 - (i) The climatic conditions of North India is not favourable for bivoltine silkworm rearing.
 - (j) Mulberry cultivation in North India is mostly under Rainfed condition
8. (a) Name any three commonly used hand tools in mulberry cultivation. **3**
- (b) Name any three soil-moisture conservation measures. **3**
- (c) Name any two types of layering followed in mulberry propagation. **2**
- (d) What should be the age of saplings of mulberry at the time of transplantation ? **2**
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