

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

June, 2014

BLPI - 002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

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

1. (a) Write 2 Important points on the leaf quality **5x2 = 10** of chawki mulberry.
- (b) Which are the methods of leaf harvest followed in mulberry ?
- (c) Give two advantages of sprinkler irrigation.
- (d) Name two bio – fertilizers used in mulberry cultivation.
- (e) Write two advantages of using saplings for establishment of mulberry plantation.
2. (a) Write any four advantages of soil moisture conservation measures. **4**
- (b) Discuss any four activities which could be mechanized in mulberry cultivation. **4**
- (c) Name any two advantages of shoot harvest in mulberry cultivation. **2**

3. (a) Name two popular mulberry varieties **5x2 = 10** cultivated in west Bengal.
- (b) Explain two harmful effects of weeds in mulberry cultivation.
- (c) Give two advantages of drip irrigation.
- (d) Name two green manure crops used in mulberry cultivation.
- (e) Explain different grafts used in mulberry propagation.
4. (a) Name two primary food plants of tropical **5x2 = 10** Tasar.
- (b) Explain two insect pests of Eri food plants.
- (c) Explain two methods of propagation of muga food plants.
- (d) Name any two Inter crop which can be raised with muga food plants.
- (e) Name two primary food plants of tropical tasar silkworms

5. (a) Explain any two in-organic fertilizers used **5x2 = 10** in mulberry cultivation.
- (b) Which are the methods of irrigation followed in mulberry plantation.
- (c) Explain any two hand tools used in mulberry cultivation.
- (d) What is the suitable age of mulberry saplings for plantation.
- (e) Name two advantages of using saplings for establishment of plantation.
6. (a) Name two mulberry varieties preferred **5x2 = 10** under rain fed conditions in south India
- (b) Explain two method of weed management in mulberry plantation
- (c) Which all are the main climatic zones in north India ?
- (d) Where do you find mulberry trees normally in north India ?
- (e) Which are the two main mulberry varieties grown in Kashmir region ?

7. (a) Name any four roles of organic manure in mulberry production. 4
- (b) Explain two desirable characters of leaf suitable for young silkworm rearing. 2
- (c) Name any two harmful effects of weeds in mulberry cultivation. 2
- (d) Explain any two methods of weed management. 2
8. (A) *Answer the following by True or False :* 5x1 = 5
- (a) Use of wet gunny cloth for preservation of leaf helps in maintaining leaf quality. []
- (b) Muga silkworm is a polyphagus insect. []
- (c) Use of green manure helps in reducing the use of fertilizer. []
- (d) Thinning of weak branches helps in the production of quality leaf. []
- (e) Mulching is harmful to the plants. []

(B) *Fill in the Blanks :*

5x1 = 5

- (a) Castor is propagated through.....
- (b) Alkaline soils are reclaimed by the application of
- (c) In India, Mulberry propagation is mainly done through
- (d) Drip irrigation saves about% water
- (e) The most common method of irrigation followed in mulberry cultivation is

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