

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

December, 2013

BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

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

1. (a) What is 'Chawki' mulberry garden ? **5x2=10**
(b) Give two advantages of drip irrigation.
(c) What is the suitable age of mulberry saplings for Plantation ?
(d) Name two green manure crops used in mulberry cultivation.
(e) Which are the methods of leaf harvest followed in mulberry cultivation ?
2. (a) Name any FOUR advantages of shoot harvest in mulberry cultivation. **4**
(b) Name any FOUR advantages of mechanization in mulberry cultivation. **4**
(c) Name any TWO soil moisture conservation measures followed in mulberry culture. **2**
3. (a) What does application of urea and Single Super Phosphate supply to the plants ? **5x2=10**
(b) Name two advantages of pruning.
(c) Name two methods of application of fertilizers.
(d) Name two uses of application of Farm Yard manure.
(e) Name two popular mulberry varieties in the sub-tropical region of North India.

4. (a) Which are the two types of Tasar ? $5 \times 2 = 10$
- (b) Name two advantages of pollarding of muga food plants.
- (c) Name any two food plants of Eri Silkworm.
- (d) Name any two insect pests of muga food plants.
- (e) Name any two methods of propagation of muga food plants.
5. (a) Name any two organic manures used in mulberry cultivation. $5 \times 2 = 10$
- (b) Which are the two system of plantation followed in mulberry cultivation ?
- (c) What is pruning ?
- (d) What is the spacing followed in paired-row system of plantation ?
- (e) What is the ideal pH range for growing mulberry ?
6. (a) Explain two methods of weed management in mulberry cultivation. $5 \times 2 = 10$
- (b) Discuss any two desirable characters of leaf suitable for youngage silkworm rearing.
- (c) Explain two methods of preservation of leaf moisture in the rearing house.
- (d) Name any two popular mulberry varieties cultivated in South India.
- (e) Explain different methods of irrigation followed in mulberry plantation.

7. (a) How many Mandays are required to maintain one hectare mulberry garden in a year ? 5x2=10
- (b) Explain grafting in mulberry propagation.
- (c) Name two primary food plants of muga silkworm.
- (d) What is the recommended quantity of FYM per hectare of irrigated mulberry garden ?
- (e) Name any two sprayers used in mulberry cultivation.
8. (a) Answer the following by **TRUE OR FALSE** 5x1=5
- (i) Muga Silk is produced mainly in Assam []
- (ii) Bio-fertilizers are harmful to the plants []
- (iii) Tasar silkworm is generally wild in nature []
- (iv) Glycel is a fungicide []
- (v) Neem cake is a chemical fertilizer. []
- (b) Fill in the blanks : 5x1=5
- (i) Acidic soils are Reclaimed by the application of _____ .
- (ii) Tapioca is propagated through _____ .
- (iii) Mulberry is a _____rooted plant.
- (iv) The most common method of irrigation followed in mulberry plantation is _____ .
- (v) In South India, mulberry is cultivated mostly in the form of _____ .
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