

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

December, 2012

BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

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

1. (a) Explain two advantages of shoot harvest. **5x2=10**
(b) What are the types of pruning followed in mulberry cultivation ?
(c) How does the ruthless chopping of old mulberry in North India affect the plant ?
(d) What are the main advantages of pollarding ?
(e) Name two weeds common in mulberry gardens, which are difficult to control.
2. (a) What is soil fertility ? **5x2=10**
(b) Name two commercially available biofertilizers used in mulberry cultivation.
(c) What does application of urea and single super phosphate supply to the plant ?
(d) Which are the different organic manures applied in mulberry cultivation ?
(e) How is soil fertility maintained in Tasar food plantation ?

3. (a) Why selection of mulberry varieties is important in cultivation of mulberry ? $5 \times 2 = 10$
- (b) Name two important mulberry varieties of South India.
- (c) Under what conditions are mulberry trees maintained in North India ?
- (d) What are the two conditions of cultivation of mulberry in South India ?
- (e) Name any two Oak tasar host plant species of India.
4. (a) What is the common method of propagation of mulberry in South India ? $5 \times 2 = 10$
- (b) What spacing should be followed in planting cuttings ?
- (c) State the age of mulberry saplings at which transplanting can be done.
- (d) Why seed soaking is necessary in Tasar ?
- (e) Describe in brief different propagation methods of Muga food plant.
5. (a) What are different methods of irrigation followed in mulberry cultivation ? $5 \times 2 = 10$
- (b) What is mulching ?
- (c) What precautions are to be taken while transplanting mulberry leaf for silkworm rearing ?
- (d) Give two important points on the quality of mulberry from chawki garden.

- (e) How much chawki leaf can be produced annually from one hectare of V-1 mulberry garden ?
6. (a) Name any two commonly used hand tools in mulberry cultivation. 5x2=10
- (b) Name any two sprayers used in mulberry cultivation.
- (c) Mention any two activities which could be mechanized in mulberry cultivation.
- (d) Write a brief note on mechanization.
- (e) How many mulberry cuttings can a person prepare manually in one day ?
7. (a) Fill in the blanks. 5x1=5
- (i) The primary food plants of tropical tasar silkworm are Arjun, Asan and _____.
- (ii) Muga silkworm primarily feeds on leaves of Som and _____.
- (iii) _____ is the most important plant used in eri silkworm rearing.
- (iv) _____ soils have pH less than seven.
- (v) _____ rearing centre is a place where large quantity of young age silkworms are reared.
- (b) Write a short note on Management of pest and diseases of Muga food plant. 5
-