

CERTIFICATE IN SERICULTURE (CIS)

00614

Term-End Examination

December, 2010

BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

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

1. (a) Define pollarding and its main objective. (5x2)
- (b) How does ruthless chopping of old mulberry in North India affect the plant ? How Can it be avoided ?
- (c) Describe the methods of harvest followed in mulberry cultivation.
- (d) What do you mean by pruning ? Describe a pruning process of Tasar food plant ?
- (e) How to keep the mulberry plant in good shape ?

2. (a) What does the application of Urea and Single Super Phosphate supply to the plant ? (5x2)
- (b) Write about fertilizer doses and their application for growing castor plants.
- (c) Name two commercially available biofertilizers under mulberry cultivation.
- (d) Which are the different organic manures applied in mulberry cultivation ? What are green manures ? Why are they important in mulberry cultivation ?
- (e) What precautions are to be taken while preserving mulberry leaf for silkworm rearing ?
3. (a) What are different methods of irrigation followed in mulberry cultivation ? (5x2)
- (b) Give two advantages of using drip irrigation ?
- (c) How do you conserve soil moisture under rainfed conditions ?
- (d) Under what conditions are mulberry trees maintained in North India ?
- (e) How is leaf transported to the rearing house after harvest ?

4. (a) Mention the primary food plant species of Muga Silkworm and its distribution in different parts of India. (5x2)
- (b) What are the main mulberry varieties grown in the temperate region of India ?
- (c) Name some weeds common in mulberry garden which are difficult to control.
- (d) What is expected leaf yield/year from one hectare mulberry garden maintained under rainfed and irrigated conditions of South India ?
- (e) What is the common method of propagation of mulberry in south India ?
5. (a) What are the major factors that can help to achieve high leaf yield in mulberry ? (5x2)
- (b) Why is weeding essential in mulberry cultivation ?
- (c) Define furrow irrigation ?
- (d) What are alluvial soils ?
- (e) What is vermi compost ?
6. (a) Which season crop is the main silkworm crop in sub-tropical region ? (5x2)
- (b) What is the rate of FYM to be applied to mulberry nursery ?

- (c) State the age of saplings at which transplanting can be done in South India ?
- (d) Give three important points on the leaf quality of mulberry from chawki garden.
- (e) What types of leaves are required for young medium and late age silkworms ?

7. (A) Fill in the blanks. (5x1)

- (a) _____ ranks first in its importance for successful production of cocoons.
 - (b) _____ is the ideal pH for growing mulberry.
 - (c) Mostly _____ type of plantation is practised in south India.
 - (d) Mulberry variety _____ is recommended for both rainfed and irrigated conditions of East /North Eastern India.
 - (e) _____ is one of the very important organic inputs in mulberry cultivation.
- (B) Write short note on raising of Mulberry Nursery.
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