

00558

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

June, 2011

BLPI-002 : HOST PLANT CULTIVATION

Time : 2 hours

Maximum Marks : 50

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

1. (a) Describe in brief different propagation methods of muga food plant. **5x2=10**
- (b) Why should soil be pressed around the cuttings while planting ?
- (c) What are the major factors that can help to achieve high leaf yield in mulberry ?
- (d) What time is preferred for leaf harvesting ?
- (e) What do silkworms produce when mulberry leaf is fed to them ?

2. (a) What do you mean by intercropping ? Describe inter - cropping pattern in muga plantation. **5x2=10**
- (b) Name any two fertilizers used in mulberry cultivation.

- (c) What is the recommended fertilizer schedule followed for mulberry under irrigated conditions of South India ?
 - (d) What is soil fertility ?
 - (e) How is soil fertility maintained for Tasar food plants ?
3. (a) Explain the need for soil moisture conservation. **5x2=10**
- (b) What is mulching ?
 - (c) What do you mean by rainfed mulberry cultivation ?
 - (d) Name two green manuring crops used in mulberry cultivation.
 - (e) To which depth should land be ploughed ?
4. (a) List two advantages of pruning. **5x2=10**
- (b) What is thinning ?
 - (c) What are the types of pruning followed in mulberry cultivation ?
 - (d) Explain two advantages of shoot harvest.
 - (e) Describe different diseases and pests of Eri food plant and their control.
5. (a) Which are the varieties recommended for hilly region ? **5x2=10**

- (b) Which mulberry variety is used predominantly in establishing a mulberry garden in South India ?
- (c) Where do you normally find mulberry trees in North India ?
- (d) Why is weeding essential in mulberry cultivation ?
- (e) What is Glycel ?
6. (a) Why is assessment of leaf yield important in Sericulture ? 5x2=10
- (b) Why choosing of mulberry varieties is important in cultivation of mulberry ?
- (c) What are different planting systems for mulberry ?
- (d) What are the various methods of ploughing the land ?
- (e) What are the two conditions of cultivation of mulberry in South India ?
7. (A) *Fill in the blanks.* 5x1=5
- (a) _____ and Ichinose are two main varieties grown under temperate region of the country.
- (b) Yield potential of variety _____ is 45-60 MT/ha/year

- (c) Mulberry variety S-1 is recommended for both rainfed and irrigated conditions of _____.
- (d) FYM is one of the very important _____ inputs in mulberry cultivation.
- (e) Over _____ cuttings can be prepared in an hour with the help of cutting preparation machine.

(B) Write short note on vegetative propagation of mulberry. 5
