

CERTIFICATE IN SERICULTURE

Term-End Examination

June, 2009

BLPI-002 : HOST PLANT CULTIVATION

*Time : 2 hours**Maximum Marks : 50*

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

1. (a) Why seed soaking is necessary in Tasar ? 2
Describe seed soaking process.
- (b) Describe the process of raising Kossaru Nursery. 2
- (c) Mention different food plants species for EVI Silkworm and its availability in India ? 2
- (d) How is soil fertility maintained for Tasar food plantation ? 2
- (e) What is the advantage of growing mulberry in south India ? 2

2. (a) Disc plough is specifically used under which type of land condition ? 2
- (b) What spacing should be followed in planting cuttings ? 2
- (c) What does application of urea and single super phosphate supply to the plant ? 2
- (d) Why is assessment of leaf yield important in sericulture ? 2
- (e) How do you conserve the soil moisture under rain fed condition ? 2
3. (a) In hilly region how many times mulberry plants are pruned in a year ? 2
- (b) List out the advantage of pruning. 2
- (c) Describe the seed treatment and sowing practices of castor plant. 2
- (d) What time is preferred for leaf harvesting ? 2
- (e) What are the different organic manures applied in mulberry cultivation? What are green manures ? 2

4. (a) How many cuttings can a person prepare manually in a day ? 2
- (b) To which depth the land be ploughed ? 2
- (c) Name any three commonly used hand tools in mulberry cultivation ? 2
- (d) Why choosing mulberry variety is important in cultivation of mulberry ? 2
- (e) How many man **days** are required to maintain one hectare mulberry garden manually ? 2
5. (a) What is the recommended dose of chemical fertilizers to be applied in an established chawki mulberry garden ? 2
- (b) How to keep the mulberry plant in good shape ? 2
- (c) What is (Glycel) ? and how it is used ? 2
- (d) What types of leaves are required for young, medium and late age silkworms ? 2
- (e) Why are form yard Manures and fertilizers applied to mulberry plant ? 2

6. (a) How acidic soils are converted for raising non-mulberry plantation ? 2
- (b) Describe in brief different propagation methods of **muga** food plant. 2
- (c) Which are the two main mulberry varieties grown in the temperate region ? 2
- (d) What are the mulberry varieties recommended for hilly regions ? 2
- (e) Explain the need for Soil moisture conservation . 2
7. (a) Write the method of propagation of mega food plant through air layering. 2
- (b) Mention the symptoms of rust and its control method. 2
- (c) What are the two conditions of cultivation of mulberry in south India ? 2
- (d) After how many months of plantation it is advisable to prune a mulberry garden ? 2
- (e) Name some common weeds of mulberry garden which are difficult to control ? 2

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