B.Sc. SERICULTURE SYLLABUS UNDER CBCS

(With effect from 2016-2017)

II - SEMESTER

Paper-II (Theory)

Moriculture, Management and Economics of mulberry

Unit-1: Mulberry plant morphology

1.1 Mulberry- Systemic position and distribution
1.2 Morphology of mulberry: different varieties of mulberry with special reference to Telangana
1.3 Vegetative morphology: Characters of root, stem, bud and leaf.
1.4 Reproductive morphology: Male and female reproductive organs, pollination, fertilization and development of seed, structure of seed and fruit.

Unit-2: Requirement of mulberry cultivation

2.1 Soil : Physical and chemical properties
2.2 Climatic conditions: Temperature, photoperiod, humidity and rainfall
2.3 Manuring : Organic, inorganic, biofertilizer
2.4 Plantation methods: Row and Pit systems, interculture and pruning

Unit-3: Mulberry management

3.1 Land preparation: Soil, Levelling and ploughing.
3.2 Irrigation: Drip irrigation, Sprinkler irrigation, flood irrigation drainage, weeding
3.3 Profitable cultivation: Proper selection of the land, selection of proper varieties of mulberry, regular manuring, weeding and irrigation and leaf harvesting
3.4 Propagation of mulberry

Unit-4: Diseases and pests of mulberry and management

4.1 Varieties of mulberry diseases, etiology
4.2 Mulberry diseases and control
4.3 Mulberry pests and control
4.4 Economics of mulberry production

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II - SEMESTER

Paper-II (Practical)

Moriculture, Management and Economics of mulberry

1. Soil sampling and analysis of pH and moisture content.
2. External morphology of root, stem and leaf.
3. Reproductive morphology—Inflorescence, flower, male and female reproductive parts.
4. Methods of propagation by cutting.
5. Identification of mulberry varieties
6. Land preparation under irrigated and non irrigated conditions
7. Identification of farm impliments
8. Identification and collection of pests and disease of mulberry and control
9. Manures fertilizers and other utilization
10. Estimation of leaf yield harvest methods