

Sericulture

One Year Certificate Course

Semester I

Unit 1: Introduction :Sericulture : Definition , History and Present status Types of Silkworm ; Distribution and Races Exotic and Indigenous races ,Mulberry and Non mulberry sericulture.

Unit 2: Biology of Silkworm Life cycle of Bombyx mori Structure of silk gland and secretion of Silk.

Unit 3: Rearing of silkworm Selection of Mulberry varieties and establishment of mulberry garden Rearing house and rearing appliances. Disinfectants: Formalin, Bleaching powder,

Practical

1. Study of life cycle of Silkworm.
2. Identification: Silkworm Cocoon, Bamboo tree, Spinning larva, Mulberry leaf. Mulberry stem, Silk moth.

Semester II

Unit 1 : Silkworm rearing technology: Early age and late age rearing. Types of mountages

Spinning, harvesting and storage of cocoons

Unit 2: Pest and Diseases .

Pest of silkworm : Uzi fly , Dermestid beetles and vertebrates Pathogenesis of silkworm diseases : - Protozoans , viral , fungal and

bacterial . Control and
Prevention of Pests and diseases.
Unit 3: Entrepreneurship in sericulture.
, Prospectus of Sericulture in India:
Sericulture industry in different States,
Employment potential in mulberry and non-mulberry sericulture .
Visits to various sericulture centres.

Practical

- 1, Study of Silkworm disease. –
2. Identification: - Mountages , Tasar , Munga, Eri Silk and cocoons
3. Project work.
4. Record & viva.