

Syllabus: Theory
Add-on Course in Sericulture

Total Marks 100

UNIT I: History of Sericulture **(10 Marks)**

Introduction to sericulture:
Cultivation of food plants.
Bio-ecology of mulberry silkworms.

Unit II: Rearing of silkworms **(10 Marks)**

Rearing of silkworms.
Equipment's or requirements for rearing.
Favourable Climatic conditions for rearing.

Unit III: Harvesting **(10 Marks)**

Harvesting and processing of cocoons.
Stifling and reeling of cocoons
Reeling's selling to Textile mills through Government sanctioned rates.
Government Subsidies and Schemes for Sericulture farming.
Reeling appliances

Unit IV: Diseases n Preventions **(10 Marks)**

Diseases of *Bombyx mori*
Preventive measures for disease free cocoon production.
4.2 Predators and parasitoids of silkworm and their management

UNIT V: 4. Non-Mulberry sericulture: **(10 Marks)**

Tasar sericulture:
Muga sericulture;
Eri sericulture:

.....

Practical Work:

(30 Marks)

The distribution of marks for practical examination will be as follows:

- Project work (05 Marks)
- Sericulture Related Projects submission by students (05 Marks)
- Students must be Submitted project reports as Project assignments (05 Marks)
- Students must be Submitted Field visit report. (Visits to different sericulture rearingcenters and farms also visiting the Reeling centers and textile mills (05 Marks)
- Students give Seminars any topics related to syllabus (05 Marks)
- Students have to submit detail report on the following:
Rearing and Management of Sericulture / The technical part:
Reeling of silk, Stifling, Yarn making, Textile work etc. during the entire Course. (05 Marks)

Sericulture Project Visit

(20 Marks)

Project List:

- ✓ Introduction to sericulture
- ✓ Status of Sericulture industry in Maharashtra
- ✓ Status of Sericulture industry in India
- ✓ Bio-ecology of mulberry silkworms
- ✓ Rearing of silkworms
- ✓ Equipment's or requirements for rearing of Silkworm
- ✓ Diseases of *Bombyx mori*
- ✓ Predators and parasitoids of silkworm
- ✓ Prevention and Disease management
- ✓ Sericulture and the technical part of silk reeling, stifling and yarn making
- ✓ Tasar sericulture: Life History
- ✓ Muga sericulture: Life History
- ✓ Eri sericulture: Life History
- ✓ Efforts can be made for successful Sericulture Project
- ✓ Status of Cocoon Selling Market