



Shri Shivaji Education society, Amravati's
Shri Shivaji Science and Arts College,
Chikhli Dist:Buldana



Academic year: 2020-21

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:

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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 rearing centers 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)



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Sample 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