



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



**Academic year: 2018-19**

**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:**

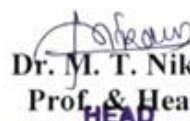
**Reeling of silk, Stifling, Yarn making, Textile work etc. during the entire Course.**

(05 Marks)

**Sericulture Project Visit (20 Marks)**



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*Dr. Mrs. V. M. Hemke*  
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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