

**B.Sc. SERICULTURE SYLLABUS UNDER CBCS**

(With effect from 2016-2017)

**I - SEMESTER****Paper-I (Theory)****General Sericulture****Unit-1: Introduction**

- 1.1 Introduction to Sericulture- Definition, Origin and history of Sericulture- Silk road, spread of Sericulture China to Europe, South Korea, Japan, India and other countries
- 1.2 Silkworms: Types of silkworms, their food plants and distribution
- 1.3 Sericulture as rural industry, Role of women in sericulture
- 1.4 Sericulture practices in tropical and temperate climate;

**Unit-2: Sericulture Centers**

- 2.1 Research training and extension.
- 2.2 Central Silk Board (CSB) : Role in Extension and development
- 2.3 CSB associate centers and publications sericulture
- 2.4 Directorate of Sericulture: Extension and development in sericulture on state level.

**Unit-3: Economic ability and income generation**

- 3.1 Silk production: Mulberry and non-mulberry cocoon and yarn
- 3.2 Sericulture map of India and World: Components of Sericulture.
- 3.3 Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture
- 3.4 Future scope in sericulture

**Unit-4: Marketing and focuses strategies in sericulture**

- 4.1 Sericulture its commercial values
- 4.2 Textile fibres: Types- natural and synthetic fibres- types of silk produced in India; Importance of mulberry silk.
- 4.3 Sericulture market centers
- 4.4 National level silk production

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**Paper-I (Practical)**

**General Sericulture**

1. Identification of silkworms
  - a. Mulberry silkworms
  - b. Non mulberry silkworms
2. Preparation of a map showing extension of sericulture in the world.
3. Preparation of a map showing extension of sericulture in India.
4. Graphical representation of cocoon and silk production by various silkworms in India.
5. Graphical representation of earning from indigenous market and export of silk goods.
6. Preparation of the histogram and pie charts
  - a. Production of textile fibres in India
  - b. world silk production
  - c. Pie chart on mulberry and non-mulberry silk production in India.
7. Silk road map