

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

(With effect from 2016-2017)

**III - SEMESTER**

**Paper-IV (Theory)**

**Silkworm Rearing Technology**

**Max. Marks: 60**

**Unit-1: Silkworm rearing house and appliances**

- 1.1. Rearing house : Construction of ideal rearing house at suitable site and of suitable size, representing CSB model.
- 1.2. Early age rearing appliances : Rearing appliances for early age rearing
- 1.3. Late age rearing appliances: Rearing trays, ant-wells, rearing stands and racks, paraffin papers, rubber foam pads, net, chopsticks and feathers.
- 1.4. Mountages

**Unit –2: Disinfectants and feeding appliances**

- 2.1 Disinfectants : Formalin, bleaching powder, RKO,
- 2.2 Disinfectant appliances: Sprayers and dusters.
- 2.3. Feeding appliances : Leaf chambers, chopping knife and chopping board.
- 2.4. Humidity and Temperature control devices : Humidifiers, thermostats, heaters, hygrometers, and conditioners, incubator and BOD incubator, Blowers

**Unit-3: Silkworm rearing technology (Early age rearing)**

1. Commercial races : Multivoltine, bivoltine and hybrid races used in India.
2. environmental factors and their impact on silkworm rearing
3. Seed : Collection of disease-free layings (DFLs) and Hatching and Brushing: Uniform hatching and Brushing methods for I instar larvae
4. Rearing of Early instars (Chowki rearing). : Feeding and rearing of I, II and III instar larvae

**Unit-4: Unit-IV: Late age rearing**

- 4.1. Rearing of Late instars: Rearing, spacing, feeding, cleaning and dusting
- 4.2. Rearing methods
- 4.3. Mounting and cocoon production: Types of mountages, transfer of matured silkworms, spinning of cocoons.
- 4.4. Harvesting and storage of cocoons: Harvesting, preservation, assessment, storage  
Transportation of Cocoons



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**B.Sc. SERICULTURE SYLLABUS UNDER CBCS**  
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**III - SEMESTER**  
**Paper-IV (Practical)**  
**Silkworm Rearing Technology**

**Max. Marks: 40**

1. Model rearing houses
2. Identification of rearing appliances
3. Identification of mountages
4. Identification of feeding appliances
5. Identification of commercial races
6. Leaf harvesting methods
7. Disinfection: preparation of formulation of disinfectants
8. Incubation methods
9. Brushing methods
10. Harvesting and storage of cocoons



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