

B. Sc. General 5th Semester

SERICULTURE

Skill Enhancement Course (SEC)

SC517S: SERICULTURE-POST HARVEST TECHNOLOGY

Credits 4 (Theory: 2; Practicals: 2)

Theory (2 Credits)

Unit-1: Silk Processing Technology I (15 Hours)

- 1.1 Present status of raw silk processing technology in India, technological options
- 1.2 Storage, sorting, deflossing and cooking of cocoons
- 1.3 Cocoon brushing and reeling
- 1.4 Reeling appliances-charaka, cottage basin, multi-end silk reeling machine

Unit-II: Silk Processing Technology II (15 Hours)

- 2.1 Processing of reeled silk (general account)
- 2.2 Bleaching and dyeing of silk
- 2.3 Methods of printing and finishing
- 2.4 spinning and production of silk garments

Practicals (2 Credits) (60 Hours)

1. Study of cocoons of different silkworm races
2. Demonstration of cocoon cooking and brushing
3. Demonstration of reeling of cocoons
4. Filament length of different races of *Bombyx mori*
5. Determination of denier of mulberry silk
6. Methods of dyeing of silk
7. Visit to any reeling station