

# CBCS SCHEME

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18TX641

## Sixth Semester B.Tech. Degree Examination, June/July 2023 Sericulture and Silk Technology

Time: 3 hrs.

Max. Marks: 100

**Note: Answer any FIVE full questions, choosing ONE full question from each module.**

### Module-1

- 1 a. Briefly discuss the Environmental conditions required for Mulberry Cultivation in India. (10 Marks)
- b. Compare the Chauki and Late age silk worm rearing and state the recent developments in rearing. (10 Marks)

**OR**

- 2 a. Briefly discuss the Mulberry Cultivation practices in India and list out the varieties of Mulberry available for cultivation. (10 Marks)
- b. Explain in brief – Diseases , Pests and their control in Silk worm rearing and Mulberry cultivation. (10 Marks)

### Module-2

- 3 a. State the importance of Cocoon harvesting , Sorting and Transportation in Silk Industry. (10 Marks)
- b. Briefly discuss the methods of Stifling and explain Basket method of Steam Stifling in detail. (10 Marks)

**OR**

- 4 a. State the objectives of Cocoon sorting and briefly explain Reelable and Non reelable defective Cocoons. (10 Marks)
- b. Sketch and explain Cocoon Circular Boiling (m/c) Machine. (10 Marks)

### Module-3

- 5 a. Briefly discuss the different processes involved in Silk throwing. State the significance of Silk throwing. (10 Marks)
- b. Discuss the modifications required for a plain power loom to weave Silk fabric. (10 Marks)

**OR**

- 6 a. Explain the preparations of Warp and Weft for Weaving Silk fabric. (10 Marks)
- b. State the Recent developments in Silk throwing machine and Special features of Handloom and Power loom. (10 Marks)

### Module-4

- 7 a. Sketch and explain the passage of Material through Multi – end reeling Machine. (10 Marks)
- b. State the objectives of Silk testing and briefly discuss the Quality test for grading. (10 Marks)

**OR**

- 8 a. Briefly explain the sequence of Operations in spun Silk Industry. (10 Marks)
- b. State the different sources of Silk waste and broadly classify them. (10 Marks)

**Module-5**

9 Explain the following :

- a. Noil yarns.
- b. Silk by – product.
- c. Degumming of Silk fabric.
- d. End uses of Spun Silk.

(20 Marks)

**OR**

10 Explain the following :

- a. Dyeing of Silk fabric.
- b. Recent developments in wet processing of Silk fabrics.
- c. Applications of Non – Mulberry Silk.
- d. Printing and Finishing of Silk fabrics.

(20 Marks)

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