

Vocational Course

Sericulture: Methods and Prospects

Hours - 60

Unit I

12

Introduction and Scope of Sericulture

History of Sericulture

Silk route

Silk insects and silks

Unit II

12

Biology of Silk Moths

Voltinism, Diapause and Ecoraces

Mulberry and Host plant cultivation

Unit III

12

Silkworm seed production and concept of DFL

Egg incubation and photo exposure

Brushing of silkworms

Rearing of different silkworms

- Young age/ Chawki worms
- Late Age worms
- Montages and Mounting of silkworms
- Cocoon harvesting
- Cocoon preservation and sorting
- Reeling and re-reeling

Silkworm diseases

Silkworm natural enemies

Unit IV

12

Characteristics of sericulture industry: Land and agro based part of industry. Industrial aspect of the industry; Silk reeling as a cottage industry; Handloom and power loom activities.

Prospects and problems of sericulture industry

Economics and viability of sericulture; effect of environmental change on sericulture industry

Sericulture organizations, research institutes and NGOs

Unit V

12

Field work/ Project

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17/11/2024

MS

MS

SL

MG