



**Yogi Divine Society inspired,
Sarvodaya Kelavani Samaj managed,
Shree Manibhai Virani and Smt. Navalben Virani Science College,
Rajkot**

(Affiliated to Saurashtra University, Rajkot)

Re-Accredited at 'A' Level by NAAC

STAR college Scheme & Status by MST-DBT

UGC- College with Potential for Excellence (CPE)

UGC-DDU KAUSHAL Kendra

GAAA – Highest Grade A-1 by KCG, Government of Gujarat

GPCB-Government of Gujarat approved Environment Audit Center

UGC-Autonomous College

DEPARTMENT OF BIOLOGY

Enclosure - II

**Department of Biology
Part III – SEC II Co-curricular Course
(For students admitted from 2016 – 2017 & onward)**

16UBLCO1	Sericulture	80 hrs Duration	1 Credit
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Course Profile :

Sericulture, in recent times, has begun to offer a wide variety of employment and entrepreneurship options. Most importantly, every state in India has a sericulture department to focus on rearing of silk worms, production of fibre and marketing. There are many laboratories that conduct experimentation on this natural fibre and these serve as excellent avenues for those inclined towards technology and scientific experimentation. There is demand for Indian silk items from America, Japan, Spain, Germany, Italy and Europe. Demand for Kashmiri silk carpets has been on the rise constantly. All this has created additional avenues for Seri culturists. Sericulture is quite popular in Southern India and is now available as a career option in Western India and Gujarat too. With research institutions devising new technological processes, Sericulture is now being recognised as a mainstream profession.

Sericulture offers career opportunity in Govt. research centers, silk boards, academic fields, sericulture units, agriculture sector banks etc. One can get jobs in Central Government agencies like Central Silk Board/Silk Export Promotion Council/Fao/Nabard, Krishi Vigyan Kendra etc. Seri culturists can find employment as officers, managers in the agricultural loan sector of nationalised as well as private banks.

Unit : 1 : Sericulture Introduction and Importance **05**

- Introduction
- Importance
- Sericulture in India.

Unit : 2 : Moriculture **14**

- Types of Propagation methods.
- Vegetative propagation
- Seedling propagation
- Micropropagation.

Unit : 3 : Silk worm and its life-cycle. **16**

- Classification of silk-worm
- Life cycle of silk- worm

Unit : 4 : Rearing Of Silk-worm. **14**

- Rearing House
- Rearing appliances

Unit : 5 : Silk Reeling **16**

- Steps of silk reeling.

Practicals :**15**

1. Study of Silk worm life cycle
2. To study the vegetative propagation.
3. Study of Rearing appliances.
4. Study to arrangement of Rearing house.
5. Study of silk reeling steps.

Text Books :

1. Text Book on Mulberry Cultivation, BIE, Hyderabad by Jaya Rao and Ramaswamy, 1994.
2. Text Book on Silkworm Rearing, BIE, Hyderabad by Dr. P. Srinivas and Y. Ramaswamy, 1994.
3. Text Book on Silkworm Diseases, Pests and Silk Reeling, BIE, Hyderabad by Dr. P. Srinivas, Y. Ramaswamy, 1994.

References :

1. Silkworm Rearing and Disease of Silkworm, 1956, Ptd. By Director of Ptg., Stn. & Pub.Govt.Press Bangalore.
2. Silkworm Disease (Vol IV) Written By: LU Yun – Lian, Translated By: LiuFu- an, Published by: Oxford and IBH publishing Co. Pvt. Ltd. New Delhi, Bombay, Calcutta.