

 <p>शिवजी विद्यापीठ कोल्हापूर Estd. 1962 "A***" Accredited by NAAC(2021) With CGPA 3.52</p>	<p>SHIVAJI UNIVERSITY, KOLHAPUR - 416004, MAHARASHTRA PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४, महाराष्ट्र दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दूरध्वनी विभाग २३१-२६०९०९३/९४</p>	
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SU/BOS/Science/ 44

Date: 18/ 10/ 2022

To,
The Principal,
All Affiliated Concerned Science Colleges/Institutions
Shivaji University, Kolhapur.

Subject :- Regarding syllabi of B. Sc. Part- I (NEP-2020) degree programme under the Faculty of Science and Technology as per National Education Policy 2020.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi and Nature of question paper of **B. Sc. Part- I Information Technology** under the Faculty of Science and Technology as per National Education Policy 2020 .

Sr. No.	Faculty of Science and Technology	Programme/ Course B. Sc. Part- I
1	Zoology	Skill Based Course in Sericulture (Skill Enhancement Courses) Skill Based Course in "Vermicompost" (Skill Enhancement Courses) Skill Based Course in Apiculture(Skill Enhancement Courses)

This syllabi and nature of question paper shall be implemented from the Academic Year **2022-2023** onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (students Online Syllabus)

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy Registrar

Copy to:

1	The Dean, Faculty of Science & Technology	7	Appointment Section
2	Director, Board of Examinations and Evaluation	8	P.G.Seminar Section
3	The Chairman, Respective Board of Studies	9	Computer Centre (I.T.)
4	B.Sc. Exam	10	Affiliation Section (U.G.)
5	Eligibility Section	11	Affiliation Section (P.G.)
6	O.E. I Section	12	P.G.Admission Section

Skill Based Course in Sericulture

Proposed Theory Syllabus

Unit- I:

15

1. Introduction to Sericulture

History and scope of Sericulture, Central silk board- Its Organizational structure and role in the development of silk industry in India, Mulberry and non-mulberry silkworms and its life cycle, Geographical distribution and scope of sericulture in India.

2. Equipments and chemicals used in sericulture

Rearing rack, Rearing tray, Incubation tray, Mountages, Feather, Chopstick, Lime and paraformaldehyde duster, power sprayer, Respirator, Paraffine paper.

[Practical: Equipments used in Sericulture- Rearing rack, Rearing tray, Incubation tray, Mountages, Chopstick, Lime and paraformaldehyde duster, power sprayer, Respirator, Paraffine paper.]

3. Soil management and cultivation of mulberry

Agro climatic zones and agro climatic conditions for mulberry cultivation, Site and soil suitability for mulberry garden establishment, Soil management.

[Practical: Soil sampling and testing]

4. Mulberry crop production

Planning for establishment of mulberry garden for both chawki and late age silkworm rearing, Mulberry pests and their management.

Practical: i) Mulberry cutting for cultivation.

ii) Training on cultivation of mulberry.

iii) Training on pruning of mulberry plants.

Unit II

15

1. Silkworm Rearing - Pre-requisites for rearing

Selection of silkworm breeds for rearing, Silkworm seed production technology, silkworm rearing house and its disinfection, Characteristics of silkworm rearing house.

Practical: Demonstration of disinfection of silkworm rearing house.

2. Silkworm eggs (DFLs- Disease Free Layings) handling and its Incubation

Pre-incubation care of silkworm eggs, Incubation, Black boxing, Hatching, Brushing of larvae.

Practical: i) Method of black boxing and brushing of larvae.

3. Chawki (Young age Silkworm) and Late Age Silkworm Rearing

Chawki rearing and late age rearing, Characteristics of late age silkworms, Environmental conditions for late age silkworm rearing, Silkworm diseases and its management, mulberry Leaf harvest and its preservation.

Practical: i) Training on bivoltine Chawki (Young age silkworm) rearing.

ii) Training on bivoltine late age silkworm rearing.

4. Economic Importance of Silk

Use in textile industry, cosmetic industry, medicine industry, ornamental and other uses.

Practical: Preparation of ornaments using silk cocoons.