

JAMSHEDPUR WOMEN'S UNIVERSITY

CERTIFICATE COURSE IN SERICULTURE

(1 Year Programme)

ADMISSION INFORMATION

INTRODUCTION

Sericulture course deals with rearing of silk worms and production of raw silk. Sericulture provides gainful employment, economic development, and improvement in the quality of life of the people in rural areas and therefore it plays an important role in poverty eradication program and prevents migration of rural people to urban area in search of employment. Study of sericulture has vast scope for government jobs in research center, silk board, academics. Sericulture units and Agri sector banks such as NABARD.



| Sl.No | Information | Dates |
|-------|---------------------------|---|
| 1. | Eligibility for Admission | Bachelor Degree with any stream (Art, Science and Commerce) with 45% Marks |
| 2. | Fee structure | Rs 15,000 /- Per semester |
| 3. | Course Duration | 2 Semesters |

B. Sc. One Year (Two Semester)

Sericulture Certificate Course

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Eligibility

10+2 Science/ Arts/ Commerce With 45% marks.

Fee Structure – Per Semester Rs - 15000/

Syllabus

SERICULTURE

Theory Paper - 1

Full Marks :-50

Time :- 3 hours

Unit 1 : Introduction :

Sericulture : Definition , History and Present status Types of

Silkworm ; Distribution and Races

Exotic and Indigenous races ,Mulberry and Non mulberry sericulture

Unit 2 : Biology of Silkworm

Life cycle of Bombyx mori

Structure of silk gland and secretion of Silk .

Unit 3 : Rearing of silkworm

Selection of Mulberry varieties and establishment of mulberry garden

Rearing house and rearing appliances.

Disinfectants : Formalin , Bleaching powder ,

Practical

F. M.- 20, Time- 2.30 hrs

1. Study of life cycle of Silkworm . - 5

2. Identification : Silkworm Cocoon , Bamboo tray , Spinning larvae , Mulberry leaf.

Mulberry stem , Silk moth . 3x2= 6

3. Project work 4

4. Record & Viva 5

Syllabus of Sericulture Theory Part -2

Full Marks:- 50

Time -3 hours

Unit 1 : Silkworm rearing technology :

Early age and late age rearing. Types of

mountages

Spinning , harvesting and storage of cocoons

Unit 2 : Pest and Diseases .

Pest of silkworm : Uzi fly , Dermestid beetles and vertebrates

Pathogenesis of silkworm diseases : - Protozoans , viral , fungal and bacterial . Control and

Prevention of Pests and diseases.

Unit 3 : Entrepreneurship in sericulture.

, Prospectus of Sericulture in India :

Sericulture industry in different States,

Employment potential in mulberry and non-mulberry sericulture . Visits to

various sericulture centres .

Practical

F. M.- 20, Time- 2.30 hrs

1 , Study of Silkworm disease . –

2. Identification : - Mountages , Tasar , Munga, Eri Silk and cocoons . 3x2=6

3. Project work .

4. Record & viva

Distribution of marks in each paper

Theory -50 marks Practical - 20
marks

Mid sem - 30 marks

Total- 100 marks