

ASSIGNMENT

for

January 2014

and

July 2014 Sessions

Certificate in Sericulture (CIS)

(Developed in Collaboration with Central Silk Board, Ministry of Textiles, GoI)



School of Agriculture
Indira Gandhi National Open University
New Delhi – 110 068

LAST DATE FOR SUBMISSION OF ASSIGNMENTS

Course Code	Last Date for Submission of Assignments at PSC	
	January 2014 Session	For July 2014 Session
BLP -001	15 th February 2014	16 th August 2014
BLPI-002	28 th February 2014	31 st August 2014
BLPI-003	15 th March 2014	15 th September 2014
BLP -004	27 th March 2014	27 th September 2014

Note:

- Kindly submit your assignments at the concerned study centre within the due date as mentioned above.
- Before submitting the examination form (March and September for June and December Term-end examinations), it is essential to submit the assignment and get authentication from Programme-in charge or Coordinator of the study centre for the courses you will be appearing for.

Dear learner,

Welcome to the ‘‘Certificate in Sericulture’’ (CIS) programme.

We hope that you have gone through the Programme Guide of CIS programme completely and carefully. The weightage to the term-end examination will be 80% and weightage to the continuous assessment (Assignments) will be 20%. There is one assignment for each course with theory component i.e. four assignments for the programme (BLP-001, BLPI-002, BLPI-003 and BLP-004). Each assignment will be of 50 marks which will be ultimately converted to have weightage of 20% of the theory.

You are requested to go through the course materials first and then prepare the assignment response following the instructions. Your responses should not be a complete reproduction of the textual material/blocks provided for self-learning purposes. Please submit your assignment responses at the Study Centre allotted to you on or before the due date. The assignments will be evaluated by the Counsellors at the study centre and the respective weightage of marks will be added to the percentage of marks obtained at the term-end examination. Each candidate will have to complete assignments in order to appear in the term-end examination. Candidates are, therefore, advised to take assignments seriously and submit them in time.

General Instructions

- 1) If you fail to submit the assignments before the due date of the particular session, you are supposed to attempt the fresh set of assignment of subsequent sessions.
- 2) Write your Enrolment Number, Name, Full Address and Date of Despatch at the top right-hand corner of the first page of your answer sheet.
- 3) Write the Programme Title, Course Title, Assignment Code, Code and Place of the Study Centre on the left- hand corner of the first page of your answer sheet.

The top of the first page of your answer sheet for each assignment should be as follows:

Programme Title	Enrolment No
Course Code	Name
Course Title	Address
Study Centre Code.....
(Place)	Date

Note: Students are required to follow this format strictly.

- 4) Your answer sheet should be complete in all respects. Make sure that you have answered to all the questions in assignments before you submit them. Incomplete answer sheets will yield poor marks.
- 5) As far as possible, you are advised to give the relevant points from the course material and elaborate their answers and explanations in their own language instead of reproducing the language of the course materials.
- 6) You are advised not to copy from the study material while attempting the assignments. In case it is found that the assignments have been copied from study material, you will be awarded zero marks.

- 7) Avoid copying from the answer sheets of other students. If copying is noticed, the assignments of such students will be rejected.
- 8) Use only foolscap size paper for your answers, ordinary writing paper, neither too thick nor too thin, will do. Assignments should be hand written. Typed assignment are not acceptable.
- 9) Leave 3”margin on the left and at least 4 lines in between each answer in an assignment. This will enable your Counsellor to write useful comments in appropriate places. Write question number for each answer clearly.
- 10) The coordinator of your Study Centre will return the evaluated assignments to you. This will also include a copy of assessment sheet containing global comments of the evaluator on your performance in the assignments. This will enable you to improve in your future assignments as well as in the term- end examinations.
- 11) The Assignments should be sent or submitted to the Programme In-charge/ Coordinator of the Study Centre allotted to you.

Before attempting the assignments, please read the instructions carefully.

Wishing you all the best for completing the programme successfully.

HAPPY LEARNING!

Programme Coordinator (CIS)

BLP-001: INTRODUCTION TO SERICULTURE

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

1. Define Sericulture in your own words? Why Sericulture is preferred over other crops? Sericulture is beneficial to the rural population. Justify the statement.
2. Explain the different stakeholders in the sericulture industry. Silkworm rearing best suits the women folks. Comment on the statement and give your opinion.
3. What are By-products? Identify the by-products produced at different stages of Sericulture. Silkworm can be used as a potential source of Medicine. Support this statement with suitable examples.
4. Explain the reeling process in detail with the help of flowchart.
5. Write short notes on the following (in 200 words):
 - a. Waste Recycling Technology
 - b. Synchronization of Moths
6. Differentiate between vermi-compost and Farm Yard Manure.
7. What do you understand by quality concept in Sericulture? Define its parameters for good cocoons.
8. Define the role of Central Silk Board and Agriculture Universities in imparting training in Sericulture. How the training provides employment opportunities to rural youth?
9. Write short notes on the following (in 200 words):
 - a. Raw silk Twisting
 - b. Loose egg Preparation
10. What is grainage? How production of non-mulberry eggs differ from that of mulberry?

BLPI-002: HOST PLANT CULTIVATION

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

1. What is paired row system of plantation? What are its advantages?
2. What is grafting? Which are the different grafting methods followed in mulberry? What is layering and why it is performed?
3. What is chawki mulberry garden? What is its importance in sericulture industry?

4. What is the recommended doses of manure and fertilizers and schedule of application in different parts of India for mulberry cultivation?
5. Describe the different methods of irrigation and soil moisture conservation in mulberry cultivation.
6. Describe the methods of pruning under sub-tropical and temperate zones.
7. List out the popular mulberry varieties cultivated in different parts of India? Mention two important characters of each.
8. Explain the raising of nursery in cultivation of Tasar Food plants.
9. Describe pruning and pollarding in the cultivation of muga food plants.
10. Write short notes on the following:
 - a. Disease and pest management if Eri food plants
 - b. Raising of nursery in Kesseru cultivation

BLPI-003: SILKWORM REARING

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

1. Name different types of Mulberry and Non-Mulberry Silkworms and stages of their life cycle mentioning clearly the duration and optimum climatic conditions for each stage.
2. Define hygiene. What the steps you have to follow to maintain the hygiene of silkworm rearing house?
3. Write short notes on the following:
 - a. Black boxing
 - b. Tray rearing
4. Chawki rearing is important in the success of the crop. Justify the statement.
5. What is harvesting of cocoons? Mention proper harvesting and marketing conditions with special reference to your personal experience, if any, at a cocoon market.
6. Explain the different mounting methods practiced in silkworm rearing.
7. Describe late age rearing of Muga silkworms.
8. Define the roles of leaf quality, climate, silkworm egg and technology in the success of the crop.
9. Describe the different types of mountages used for spinning of silkworms.
10. Why there should be a separate mounting hall? How it adds to profit of silkworm rearing?

BLP-004: CROP PROTECTION

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

1. Differentiate between a Pest and Predator. Name two important pests each of mulberry and Non-Mulberry silkworms and their control. How release of certain predators helps in biological control of pests?
2. Explain the causal agent, occurrence, crop loss and symptoms of powdery mildew of mulberry. Describe the control measures to be adopted.
3. Differentiate between Cultural, Biological and Chemical measures for controlling various diseases, pests and predators in mulberry. Give one example each control.
4. Write in short about crop protection and its importance. Have you ever experienced a crop failure? If so, analyse the reasons.
5. What are the major precautions to be taken while spraying fungicides?
6. What is a bio-formulation? How do you prepare the mixture for soil application?
7. Summarise the hygiene practices followed during silkworm rearing and how it contributes to control diseases?
8. Write briefly about the diseases that attack mulberry during nursery plantation along with their casual agents and symptoms.
9. Name the important sucking pests of mulberry and period of their occurrence. Describe the management of any two of them.
10. Write short notes on the following:
 - i) Factors for outbreak of pests
 - ii) Uzi fly and its control