

ASSIGNMENTS

for

January 2021

and

July 2021 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

2021

LAST DATE FOR SUBMISSION OF ASSIGNMENTS

Course Code	Last Date for Submission of Assignments at PSC	
	January 2021 Session	July 2021 Session
BLP -001	15 th February 2021	16 th August 2021
BLPI-002	28 th February 2021	31 st August 2021
BLPI-003	15 th March 2021	15 th September 2021
BLP -004	28 th March 2021	27 th September 2021

Note:

- Kindly submit your assignments at the concerned study centre/PSC within the due date as mentioned above.
- Before submitting the examination form (during March and September for June and December Term-end examinations, respectively), it is essential to submit the assignment and get authentication from Programme-in charge or Coordinator of the study centre/PSC 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 carefully and completely. The weightage to the Term-End Examination (TEE) 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/Programme Study Centre (PSC) 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, Course/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 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 the answers and explanations in your 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/PSC 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/PSC allotted to you.

Before attempting the assignments, please read the instructions carefully.

Wishing you all the best for successful completion of the CIS programme.

HAPPY LEARNING!

Programme Coordinator (CIS)

BLP-001: INTRODUCTION TO SERICULTURE

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(10x5=50)

1. Sericulture has enormous potential for employment generation. Justify the statement in your own words.
2. Explain about the different stakeholders in the sericulture industry.
3. Define by-product. Briefly explain about the different by-products of Silkworm Rearing.
4. Describe the reeling process in detail with the help of a flow diagram.
5. What is the importance of sex separation? When it should be done? Differentiate between male and female pupa.
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. What is grainage? How production of non-mulberry eggs differ from that of mulberry?
10. Work out the raising and maintenance cost, both non-recurring & recurring for one acre of mulberry plantation under irrigated conditions.

BLPI-002: HOST PLANT CULTIVATION

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(10x5=50)

1. Discuss about the suitable soil and climate for luxuriant growth of mulberry.
2. Define the following in 2-3 lines:
 - a. Bio-fertilizer
 - b. Hoeing
 - c. Mulching
 - d. Grafting
 - e. Air Layering
3. What is chawki mulberry garden? Describe its importance in sericulture industry.
4. Give the recommended dose and schedule of chemical fertilizer for Mulberry garden maintained under irrigated and rainfed conditions.

5. What is soil moisture conservation? Describe its importance particularly under rainfed conditions.
6. Describe the methods of pruning under sub-tropical and temperate zones.
7. What is mechanization? Why it is required in sericulture?
8. Describe the process of preparation of nursery in a mulberry garden.
9. Describe the propagation of Muga food plants.
10. Why soaking of seeds is essential prior to raising a non-mulberry nursery? Explain nursery raising and transplantation method for Tasar food plants and its maintenance.

BLPI-003: SILKWORM REARING

Maximum Marks: 50

Answer all questions. All questions carry equal marks. (10x5=50)

1. What are the various types of silkworms? Describe their food plants.
2. What is black boxing? Why it is done? What are the different methods of black boxing?
3. What are the steps you have to follow to maintain the hygiene of a silkworm rearing house?
4. Describe the environmental factors influencing the silkworm rearing.
5. Explain the orientation, wall and roof structure of silkworm rearing house with reasons.
6. "Chawki rearing is important in the success of the crop". Justify the statement.
7. Describe the late age rearing of Muga silkworms.
8. What is harvesting of cocoons? Mention the proper harvesting and marketing conditions with special reference to your personal experience, if any, at a cocoon market.
9. Describe the different types of mountages used for spinning of silkworm.
10. What is sorting of cocoons? Why it is performed? Discuss about the defective cocoons.

BLP-004: CROP PROTECTION

Maximum Marks: 50

Answer all questions. All questions carry equal marks. (10x5=50)

1. Explain the causal agent, occurrence, crop loss and symptoms of Leaf Rust disease of mulberry.
2. Mention the distinct features of silkworms suffering from the following diseases and list the various measures for prevention and control of them:
 - a. Grasserie

- b. Flacherie
 - c. Muscardine
 - d. Pebrine
3. Differentiate between Cultural, Biological and Chemical measures for controlling various diseases, pests and predators in mulberry.
 4. What are the major precautions to be taken before, while and after spraying fungicides?
 5. What is a bio-formulation? How do you prepare the mixture for soil application?
 6. Summarise the hygiene practices followed during silkworm rearing. How it contributes to controlling diseases?
 7. Write briefly about the diseases that attack mulberry during nursery plantation along with their casual agents and symptoms.
 8. Explain Uzi fly management.
 9. Give the activity chart for disinfection during silkworm rearing.
 10. Define the following terms in 2-3 lines:
 - a) Nymph
 - b) Predators
 - c) Fungicide
 - d) Host
 - e) IDM