

# ***ASSIGNMENT***

***for***

***January and July  
2013 Sessions***

***CERTIFICATE INSERICULTURE(CIS)***



**School of Agriculture  
Indira Gandhi National Open University  
New Delhi - 110068**

## **LAST DATE FOR SUBMISSION OF ASSIGNMENTS**

<b>Course Code</b>	<b>For January 2013 Session</b>	<b>For July 2013 Session</b>
BLP -001	31 <sup>st</sup> January 2013	31 <sup>st</sup> July 2013
BLPI-002	20 <sup>th</sup> February 2013	20 <sup>th</sup> August 2013
BLPI-003	5 <sup>th</sup> March 2013	5 <sup>th</sup> September 2013
BLP -004	25 <sup>th</sup> March 2013	25 <sup>th</sup> September 2013

**Kindly submit your assignments at the concerned study centre within the due date as mentioned above**

Dear learner,

Assignments carry 30% weightage in the continuous evaluation process of a course. The term-end examinations carry 70% weightage.

The assignments will be evaluated by the Counsellors at the study centre and the respective weightage of marks will be added to their 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) The validity of the assignments is SIX MONTHS. 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 January 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 & Title.....	Name .....
Assignment Code.....	Address .....
Study Centre (Code) .....	.....
Study Centre/TLC .....	.....
(Place) .....	Date .....
Note: Students are required to follow this format strictly otherwise the assignments will not be evaluated	

- 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 lead to poor marks.
- 5) As far as possible students 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.
- 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 of the Study Centre allotted to you.

## **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 of 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