

# ASSIGNMENT BOOKLET

(For January 2012 and  
July 2012 Sessions)

## Certificate in Beekeeping (CIB)



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

Dear student,

As you are aware that for theory, the weightage to the term-end examination will be 80% and the weightage to the continuous assessment will be 20%. The continuous assessment is in form of assignments. There is one assignment for each course i.e. total three assignments for the programme. Each assignment will be of 50 marks, which ultimately will be converted to have weightage of 20% of theory. Instructions to format your assignments are as follows:

**Before attempting the assignments, please read the following instructions carefully.**

1. First of all, read the assignment questions and instructions and identify the components of an assignment. You should read the relevant sections and sub-sections of a unit while preparing your responses. Write answers in your own words. Your responses should not be a verbatim reproduction of the textual materials / blocks provided for self- learning purpose. We also suggest that, you may read additional available in your study centre or in any other library before preparing your responses. But extra reading is not a must to answer these assignments.
2. On top of the first page of your answer sheet, please write the details exactly in the following format.

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Enrollment no:.....

Name:.....

Address:.....

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Course Code:.....

Course Title:.....

Study Centre:.....

Date:.....

(Name and Code)

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3. Use foolscap size paper for writing your answer.
  4. Leave 4cm margin on the top, bottom and left of your answer sheet.
  5. Clearly indicate question no. and part of the question being solved while writing answers.

<b>Assignment No.</b>	<b>Last date of submission (For January, 2012)</b>	<b>Last date of submission (For July, 2012)</b>
Assignment 1 (OAPI -011)	31 <sup>st</sup> January, 2012	31 <sup>st</sup> July, 2012
Assignment 2 (OAPI -012)	17 <sup>th</sup> February, 2012	17 <sup>th</sup> August, 2012
Assignment 3 (OAPI -013)	23 <sup>rd</sup> March, 2012	21 <sup>st</sup> September, 2012

6. Assignments have to be sent to the coordinator of your study centre.
7. **We strongly suggest that you should retain a copy of your assignment responses.**

Wishing you good luck.

## Assignment -1

OAPI -011

Course Title – Introduction to Beekeeping

Max. Marks – 50

**Note: All questions are compulsory and carry equal marks.**

- Q1. a) “The beekeeping can fulfill your diverse needs”. Elaborate this statement in your words with suitable examples. 5  
b) “Modern Beekeeping is more systematic and scientific in comparison to the earlier forms of beekeeping”. Give your opinion on this sentence and cite suitable examples. 5
- Q2. a) How research will help strengthening the beekeeping in our country? Explain. 5  
b) Give a detailed account of the present status of honey production in our country. 5
- Q3. a) Explain the characteristics of different bee species. Which is the most suitable species for honey production and why ? Explain. 5  
b) Describe the Social behaviour of honeybee. 5
- Q4. a) Give a list of bee flora of your area. Also prepare a floral map from these data. 5  
b) What is the significance of modern hives in beekeeping ? Explain with the help of suitable examples. 5
- Q5. a) “Beekeeping offer diverse incomes”. Explain this sentence with suitable examples. 5  
b) Explain the anatomy of Honeybee. Incorporate suitable sketch. 5

## Assignment -2

OAPI -012

Course Code - Management of Honeybee colonies

Max. Marks – 50

**Note: All questions are compulsory and carry equal marks.**

- Q1. a) What is the significance of Non-Insect Pests of honeybee in modern beekeeping? Explain with the help of suitable examples. 5  
b) How the protozoa affects the health of honeybee? Explain the symptoms and management strategies of Nosema Disease of honeybee. 5
- Q2. a) “Chemicals used under agriculture are harmful to the honeybees”. Explain the possible threats of the chemicals. 5  
b) Explain the methods of mite detection and its control. 5
- Q3. a) When there is a Chemical Poisoning to the honeybees, what are the factors affecting it ? Explain with the help of suitable examples. 5  
b) Elaborate the role of poisonous bee flora in modern beekeeping. List the common bee flora of your locality. 5
- Q4. a) “Seasonal management of honeybees is an important activity of beekeeping”. Specify the activities taken to maintain the bees during summer season. 5  
b) Indicate the activities to be taken up to maintain the colonies during the autumn season. 5
- Q5. a) Why there is a queen management in the beekeeping? Explain with suitable examples. 5  
b) Give an elaborative description of the attributes of quality Queen Bee. 5

## Assignment -3

### OAPI -013

Course Code – Hive Products and Economics of Beekeeping

Max. Marks – 50

**Note: All questions are compulsory and carry equal marks.**

- Q1. a) How the beekeeping is made more profitable? Give your views on this statement. 5  
b) “Honey is an important product of beekeeping”. Give your opinion on this sentence.  
Explain the physical properties of honey. 5
- Q2. a) What is Controlled Beekeeping? How it is done? 5  
b) What are the products of beekeeping other than honey having economical importance ? 5  
Give their detailed characteristics and uses.
- Q3. a) How the bee products are traded in our country? Explain the main channels of trade. 5  
b) How the bee wax is collected, processed and used? Explain with suitable examples. 5
- Q4. a) What is the significance of Royal Jelly? How it is traded? Explain. 5  
b) How bottling and packaging help in the honey trade? Explain. 5
- Q5. a) Please describe the process of honey extraction. Explain with the help of required 5  
instruments used in honey extraction.  
b) Describe the roles of Govt. and Non- Govt. agencies in bee product trade. Use suitable 5  
examples wherever necessary.