

ASSIGNMENT

for

January 2014

and

July 2014 Sessions

Certificate in Poultry Farming (CPF)



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
OLP -001	28 th February 2014	31 st August 2014
OLPI-001	15 th March 2014	15 th September 2014
OLPI-002	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 Poultry Farming’’ (CPF) programme.

We hope that you have gone through the Programme Guide of CPF 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 (OLP-001, OLPI-001 and OLPI-002). 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 (CPF)

OLP-001: INTRODUCTION TO POULTRY FARMING

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

- 1) Define the following in one or two lines:
 - i) Mixed farming
 - ii) Clutch
 - iii) Moulting
 - iv) Bio-security
 - v) Hen
- 2) Define Poultry in your own words. What are the advantages of rearing poultry?
- 3) Backyard Poultry Farming is one of the best sources of subsidiary income to rural people. Justify the statement with suitable example.
- 4) Describe the factors affecting the egg production.
- 5) Poultry farming significantly contributes to rural livelihood security. Comment on the statement and give your opinion.
- 6) Differentiate between layer and broiler? Give few examples for broiler and layer chicken.
- 7) Draw the body parts of chicken and name them.
- 8) What are the different methods of mating practiced in poultry? Which is the best method and why?
- 9) What do you mean by Hatchability and Livability percentages? Explain how it will be useful in evaluating the performance of a hatchery.
- 10) Calculate persistency (% egg production) based on the following assumptions:
 - Age at sexual Maturity =175 days
 - Age at judging = 362 days
 - No. of eggs produced =139

OLPI- 001: POULTRY HOUSING AND MANAGEMENT

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

- 1) Draw a cross-section of a broiler house. Label its parts and indicate the dimensions.
- 2) Explain cage system of rearing poultry. For which type of birds they are commonly used in

our country? Write its advantages and disadvantages.

- 3) Define brooder. Briefly explain different types of brooders available in the market.
- 4) What is beak trimming? Why it is performed? What are the precautions to be followed before, during and after beak trimming?
- 5) Define candling of eggs. Why it is done? How will you differentiate between fertile and infertile eggs?
- 6) Write briefly how you prepare the house for arrival of chicks.
- 7) Describe the precautions to be taken to keep the litter in good conditions?
- 8) Differentiate between Backyard and Free-range farming. Write the importance of providing supplementary feeding, watering and night shelter for backyard birds?
- 9) Explain the factors affecting the cost of production. Describe the cost reduction methods.
- 10) Based on the following assumptions, calculate Fertility%, Hatchability % (on TES and FES):
 - Total number of eggs set = 200
 - Total number of fertile eggs = 165
 - Number of chicks hatched =142

OLPI- 002: POULTRY FEEDS AND FEEDING

Maximum Marks: 50

Answer all questions. All questions carry equal marks.

(5x10=50)

- 1) Based on the nutrients present in the feed, classify feedstuffs into different types and give two examples for each type of feedstuff along with their crude protein and energy contents.
- 2) Identify important minerals and vitamins (five each) required by poultry birds and indicate their deficiency symptoms.
- 3) Define feed additives. Why they are added to the poultry ration? How can we prevent mycotoxins?
- 4) Differentiate between Feed Conversion Ratio and Feed Efficiency Ratio. Explain how to calculate them.
- 5) What do you mean by Pellet form of feed? Write briefly its advantages and disadvantages.
- 6) What are different methods of feeding poultry? Write briefly about controlled feeding method. Which methods are commonly practiced in broilers and layers?
- 7) List out the factors influencing the feed quality.
- 8) What are the effects of hot weather on the feed intake of birds?
- 9) Give the inclusion levels for the following feedstuffs in the broiler and layer diets:

- i) Fish meal
- ii) Maize
- iii) Molasses
- iv) Soybean meal
- v) Wheat bran

10) A feed mixture containing 23% Crude Protein (CP) to be prepared using Maize (CP=10%) and Deoiled Groundnut Cake (CP=48%). Calculate the amount (parts) required from Jowar or Sorghum and Soybean Meal by Pearson Square Method.