

2022-23

CERTIFICATE IN POULTRY FARMING



GURUKUL
EDUCATIONAL AND
RESEARCH INSTITUTE

Subject and Syllabus

Syllabus

CERTIFICATE IN POULTRY FARMING

DURATION:-1 YEAR

Objectives

The main objective of the programme is intended to:

- develop and strengthen Human Resource by infusing/imparting knowledge and skill in Poultry Farming through Open and Distance Learning (ODL) Mode;
- create awareness about the opportunities of employment and livelihood in Poultry Sector; and
- impart basic knowledge and technical proficiency in Poultry Breeding, Housing, Management and Nutrition.

Programme Structure

It shall be six months duration certificate programme of 16 credits and consist of five courses. In order to be eligible for the award of the certificate, a student has to complete the following 5 Courses equivalent to 16 credits (1 credit is equal to 30 study hours)

788 INTRODUCTION TO POULTRY FARMING

Block 1 Poultry Industry

Unit 1 Overview of Poultry Farming

Unit 2 Farming Systems

Unit 3 Poultry Development Programmes in India

Block 2 Biology of Poultry

Unit 1 Breeds, Varieties and Strains

Unit 2 Body Systems and Functions

Unit 3 Breeding Systems

789 POULTRY HOUSING AND MANAGEMENT

Block 1 Housing and Equipment

Unit 1 Principles of Housing

Unit 2 Housing Systems

Unit 3 Poultry Equipments

Block 2 Management of Chicken

Unit 1 Incubation and Hatching

Unit 2 Management of Broiler Chicken

Unit 3 Management of Laying Type Birds

Unit 4 Routine Management

Unit 5 Diseases and their Control

Block 3 Management of Backyard and Other Poultry Species

Unit 1 Backyard Poultry Farming

Unit 2 Duck and Geese Farming

Unit 3 Emu, Guinea Fowl and Turkey Farming

Unit 4 Quail Farming

Block 4 Economics and Marketing

Unit 1 Project Formulation

Unit 2 Farm Record Keeping Unit 3 Farm Economics

790 POULTRY FEEDS AND FEEDING

Block 1 Principles of Poultry Feeding

Unit 1 Energy and Protein Feedstuffs

Unit 2 Mineral and Vitamin Supplements

Unit 3 Feed Additives and Toxicants

Block 2 Feeding Standards

Unit 1 Dietary Requirements

Unit 2 Feed Processing and Quality Control

Unit 3 Feeding Methods

791 POULTRY HEALTH CARE AND BIO-SECURITY MEASURES

PRACTICAL MANUAL

EXPERIMENT 1 Identification of Healthy and Sick Birds

EXPERIMENT 2 Cleaning, Disinfection and Fumigation of Poultry Houses

EXPERIMENT 3 Cleaning and Disinfection of Poultry Equipments EXPERIMENT 4 Cleaning and Disinfection of Hatchery and Equipments

EXPERIMENT 5 Bio-Safety Measures

EXPERIMENT 6 Common Medicines for Prevention and Treatment of Poultry Diseases

EXPERIMENT 7 Water Medication and Sanitation in Poultry

EXPERIMENT 8 Vaccination of Birds

EXPERIMENT 9 Packing of Sick or Dead Birds and Other Materials for Examination

EXPERIMENT 10 Safe Disposal of Sick/Dead Birds and Poultry Waste