

# Syllabus

## Diploma Course in Basics of Ornithology (DCBO) (Six Months Duration)

Eligibility : Graduate in any Discipline with 50% marks.  
Seat : 20 seats  
Scheme of Examination: Six months (**October to March / or as decided by the department**) To accommodate the period of arrival of Migratory Birds

### Papers and Marks

Paper	Nomenclature	Internal Evaluation	External Evaluation	Total
Paper – I	Basics of Ornithology	50	50	100
Paper – II	Bird Watching and Bird Conservation	50	50	100
Paper – III	Project Work / Field Report	50	50	100

The marks of each Paper I to II are divided as under:

- Internal Examination - 50
  1. Seminar I - 10
  2. Seminar II - 10
  3. Internal assessment test I -10
  4. Internal assessment test II - 10
  5. Performance - 10
- External Examination - 50

The marks of Paper III is divided as under:

- Internal Examination - 50
- External Evaluation - 50

For evaluation of Project work, the candidate will give a presentation before the External Examiner. Marks for the Field Report will be awarded by the internal faculty. The students are required to secure minimum 20 marks (Pass Marks) separately in Project work and Field Report for passing.

The students are required to secure the marks as below:

Pass marks 40% in each Paper  
II Division 48% and above in Aggregate

I Division                      60% and above in Aggregate

Each paper, except Paper - III (Project Work/ Field Report) will contain TEN questions having two questions from each unit. The candidates are required to attempt Five questions in all by selecting at least one question from each unit.

An education tour may be organized to important places of interest within or outside the State under the supervision of faculty member/s of the department. The expenses will be borne by the participating student. However, the university will provide train/bus travel concessions as per necessity and university rules. Traveling expenses of the teacher/s will be borne by the university as per rules of TA and DA.

This being a part time professional programme, postgraduate students may be allowed to pursue this programme under the dual degree scheme. 75% attendance will be compulsory.

**PAPER -I**  
**BASICS OF ORNITHOLOGY**

There are five units in all. Two questions will be set up from each unit and the candidates are required to attempt Five questions by selecting at least one question from each unit.

Time 3 hours

Maximum Marks 50

**Unit-I**

Introduction: Ornithology, Evolution of birds, Importance of birds, Bird Classification

**Unit-II**

Bird Features

- i) External Features like Head, Neck, Wings, Feathers, Feet and Claws, etc.
- ii) Internal Features like Skeletal System, Muscular System, Circulatory System, Respiratory System, Digestive System, Urinogenital System, Nervous System, Vision, Hearing, etc

**Unit-III**

Breeding Biology

Territoriality, Nesting, Eggs, Incubation and care for the young, Brood parasitism.

**Unit IV**

Birds Activities: Flying, Walking, Eating, Perching on trees or wires, Drinking water, Singing, Nesting, Preening, Moulting, Bathing, Dust bath, Flocking, Roosting etc

**Unit V**

Migration in Birds: Modes of flight in Migration. Problems of way finding. Causes of Migration. Origin of Migration. Significance of Migration. Disadvantages of Migration.

**PAPER –II**  
**BIRD WATCHING AND BIRD CONSERVATION**

There are five units in all. Two questions will be set up from each unit and the candidates are required to attempt Five questions by selecting at least one question from each unit.

Time 3 hours

Maximum Marks 50

**Unit- I**

General Instruction by their physical features, flight, Bird Habitats Bird Counting/  
Census

**Unit-II**

Bird Watching: Identification of Birds, Calls and songs.  
Equipments for Bird Watching. Principles of Bird ethics.

**Unit-III**

Bird Conservation- Saving the birds, carry the birds in distress, First aids for  
diseased/injured birds, Acts related to Bird conservation, National Parks & Bird  
Sanctuaries.

**Unit-IV**

Bird Photography: Understanding Camera basics & lenses & light conditions,  
Photographing- water bird, Small perching birds, Birds in Dark Forest, Seabirds &  
Shorebird, Birds in urban setting, Nesting birds.

**Unit-V**

Life of Salim Ali –The great ornithologist of India, Societies concerned with birds, Books  
written by Salim Ali.

## **Paper III**

### **Project Work / Field Report**

1. 4 to 6 Field trips for bird study. The trip will be day trips
2. Three days camp for study of bird and their habitats
3. Web Surfing of birds.
4. Preparing PPT