

Syllabus

Diploma in Basics of Ornithology (Six Months Duration)

Diploma in Basics of Ornithology

Eligibility : Graduate in any Discipline with 50% marks.
 Admission will be strictly on merit basis

Seat : 20 seats

Scheme of Examination: Six months

Papers and Marks

Paper	Nomenclature	Marks
Paper-I	Basics of Ornithology	100
Paper-II	Bird Watching and Bird Conservation	100
Paper III	Project Work and Field Report	100
	Project work	50
	Field Report (Internal Evaluation only)	50
Total		300

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

Seminar I - 10
 Seminar II - 10
 Internal assessment test I - 10
 Internal assessment test II - 10
 Performance - 10
 Examination - 50

Total marks of each paper = 100 X 2 papers = 200

Project Work and Field Report

- Project work 100
- Field Report (Internal Evaluation only) 50
- 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


 Dr. Anil Kumar
 Director

I Division

60% and above in Aggregate

Each paper (except Project Work/ Field Report) will contain TEN questions including two questions from each unit. The candidates are required to attempt Five questions including 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 programmes, postgraduate students may be allowed to pursue this programme under the dual degree scheme. 75% students 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 100

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

UnitV

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 100

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 and 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