

**Academic Council Meeting No. and Date : 8 / September 04, 2023**  
**Agenda Number : 3 Resolution Number : 36 / 3.3**



VidyaPrasarak Mandal's  
B. N. Bandodkar College of  
Science (Autonomous), Thane



# Certificate course in Introduction to Ornithology

**[With effect from Academic Year 2023-2024]**

## **PREAMBLE**

This course aims to introduce students to study of birds including anatomy, physiology , behavior-vocal, sexual, foraging, communication; parental care, migration, dimorphism, population-statistics & diseases.

Along with this students will get hands on training on camera basics- lenses & light conditions, photographing- Waders, Raptors, Perching birds, nesting birds & birds in urban setting.

This course also includes bird watching trails- morning & night & sanctuary visit.

### **Course outcomes:**

1. Understanding avian migration & identification.
2. Handling of camera lenses according to different resolution.
3. Knowing importance of birds to human & their interactions
4. Understanding wildlife (Avian) photography.

# Syllabus of

## Course: Introduction to Ornithology

UNIT	SUB-TOPICS	LECTURES
<b>I</b>	Introduction to ornithology, avian diversity & classification	1
	Birds features- Internal & external- head, neck, wings , feathers, feet & claws	2
	Avian anatomy & physiology	4
<b>II</b>	Avian behavior- eating, vocal(calls), mating, sexual dimorphism, migration, foraging, preening, flocking, nesting, flying, roosting.	4
<b>III</b>	Population studies	3
	Avian diseases	2

Field visits ( including photographing)

1. Sanctuary visits- 6 hrs
2. Bird watching – ( Raptors, waders, perching)- 6 hrs

### Evaluation Scheme

#### THEORY EXAMINATION:

#### Suggested Format of Question paper

**Duration: 2 hours Total Marks: 60 All questions are compulsory**

Q. 1	Based on Unit I	16
Q. 2	Based on Unit II	16
Q. 3	Based on Unit III	16
Q. 4	Based on all Units	12

**PRACTICAL EXAMINATION: 30 marks ( Presentation)**

**Report writing- on field visits: 10 marks**

**Total of report writing 10 Marks Total of Theory Examination 60  
Marks Total of Practical Examination 30 Marks Grand Total 100  
Marks**

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**Duration**

Duration in terms of Hours	30 hours
Per day	03 hours
No. of days	1 month
No. of weeks	4 weeks
Course will be conducted twice per year	After Diwali Vacation (November)

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