

## **Z 503C Avian Biology**

### ***UNIT-I***

1. Morphology of birds
2. Classification of birds up to species
3. General anatomy and related physiology of birds
4. Thermoregulation in birds

### ***UNIT-II IMPORTANT TOPICS***

1. Aerodynamics
2. Perching mechanism
3. Flight muscles of birds
4. Migration of birds

### ***UNIT-III BEHAVIORAL STUDY***

1. Reproductive behaviour
2. Call, song and vocalization of birds
3. Territorial behaviour
4. Complex behaviour

### ***UNIT-IV ECONOMIC VALUE AND CONSERVATION***

1. Useful and harmful birds
2. Birds conservation strategy / programs
3. Ramsar convention
4. Important bird areas (IBAs) in India