

OPEN ELECTIVE

Course Name – Fish Diversity of Indian Waters

Course Code –

Course Objectives: To impart the students a comprehensive knowledge about the fish diversity in different types of aquatic habitats of India.

Learning Outcome: After completion of the course student will know about the representative ichthyofauna of rivers, lakes, estuaries and marine waters.

Unit - I

Riverine fisheries: Major River system in India and representative ichthyofauna. Problems encountered in fisheries development of major rivers.

Unit - II

Cold water fisheries: Cold water fisheries resources of India. Representative species of fishes of cold-water bodies of India. Ecological characters of cold-water bodies of India. Present status, Prospect, Problems and development of cold-water fisheries in India,

Unit - III

Reservoir and Lacustrine fisheries: Definition and ecological features of reservoirs and lakes. Major reservoirs and lakes in India with emphasis on capture fisheries. Development of reservoir fisheries in India.

Unit - IV

Estuarine fisheries: Definition and classification of estuaries. Fisheries of brackish water lake and backwaters. Problem of brackish water fishery.

Unit – V

Marine fishery resources in India: Marine capture fishery resources at inshore, offshore and deep sea. Conservation of marine fishery resources: Deep Sea fishing policies of India. Problems of overfishing. Conservation and management of marine fishery resources. Application of remote sensing technology in capture fisheries.
