COP SYLLABUS

Aquaculture and Fishery management.

Unit - I:- Aquaculture
Concept of Aquaculture, history of Aquaculture, Fish production trends in India and the world.
Nutrition: Feeding habit of fishes, types of feed: natural and artificial feed of fishes. Nutritional requirement of culturable fish and shellfish (protein, fats, Carbohydrates, Vitamins and Minerals), Fish by products.

Unit - 2:- Aquaculture practices:- monoculture, polyculture, composite fish culture: principle and practices. Integrate fish culture principle & practice: Agro-based integrated fish culture, livestock fish culture, Freshwater prawn culture, Shrimp culture.

Unit 3:- Design, construction & management:-
Site Selection: Criteria for site selection, selection of fish species for culture, Types of ponds, layout design and construction of fish farms, Water quality management of fish culture ponds.

Practical:-

1. Estimation of Dissolved oxygen (Winkler's method)
2. Identification of Freshwater Live feed organisms.
3. Field Visit:- Fish Farm