

CLASS WISE LECTURE OUTLINE

COASTAL AQUACULTURE AND MARICULTURE FARMING SYSTEMS

Course Code: AQC-502

Credit Hours: 2+1

Sl. NO.	TOPIC	No. of Lecture
1	Intoduction Class: Coastal water bodies its importance resource available	1
2	Species selection and crop planning	1
3	Semi-intensive culture practices of shrimps: Various species its importance reason for shift from one species to another species	1
4	Biofloc culture system of shrimps	1
5	Milk fish culture its importance as a major species in coastal water bodies	1
6	Edible oysters its important culture practices, methods, species	1
7	Mussel culture: Rack method,longline,raft various methods, species involved	1
8	Pearl oyster culture: Pearl production methods.,maintainance	1
9	Clam culture: Species, Methods, Distribution, Importance	1
10	Pearl spot culture: Importance, distribution, methods	1
11	Sea bass culture: Importance, distribution, methods	1
12	Mullet culture: Importance, distribution, methods	1
13	Cobia culture: Importance, distribution, methods	1
14	Silver Pampano culture: Importance, distribution, methods	1
15	Crab culture: Importance, distribution, methods	1
16	Seaweed farming: Species. Importance, culture methods	1
17	Lobster aquaculture: Species, Distribution, Culture methods	1
18	Sea Ranching: Basics, species, Importance	1
19	Better management practices in coastal aquaculture	1
20	Policy and laws pertaining to coastal aquaculture	1
21	Traditional paddy cum shrimp culture practices in India	1
22	Constraints and economics of IFS	1
23	Resource utilization and conversion of waste to wealth	1
24	Waste Water fed Aquaculture	1

25	Aquaponics, RAS,Flowthrough systems	1
26	Economics of different farming systems	1

Total Theory Lectures: 26

PRACTICAL LECTURE OUTLINE

Sr. No.	TOPIC	No. ofLecture
1	Biology culture and Identification of cultivable Brackish water fishes	1
2	Biology culture and Identification of cultivable Brackish water crustaceans	1
3	Biology culture and Identification of cultivable Brackish water Molluscs and Crabs	1
4	Soil and water quality Management in Shrimp Farming	1
5	Procurement transportation of fish for brood development in Brackishwater	1
6	Health Management in Brackishwater finfishes	1
7	Transportation methodology for Brackishwater Finfishes	1
8	Site selection for Brackishwater ponds	1
9	Feed for nursery rearing preparation and evaluation	1
10	Calculating carrying capacity of ponds and stocking density	1
11	Seaweed collection and Identification	1

Total Practical Lectures: 11

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Course Teacher