

CLASS WISE LECTURE OUTLINE

THERAPEUTICS AND HEALTH MANAGEMENT IN AQUACULTURE

Course Code: AQC-507

Credit Hours: 2+1

Sl. NO.	TOPIC	No. of Lecture
1	Fish Diseases: Basic Concept and Importance	1
2	Bacterial Diseases of Fishes	1
3	Fungal Diseases of Fishes	1
4	Viral Diseases of Fishes	1
5	Nutritional Disorders	1
6	Environmental Diseases and Stress-related Conditions	1
7	Bacterial Diseases of Fishes	1
8	Situations Favouring Disease Outbreaks	1
9	Environmental Diseases and Stress-related Conditions	1
10	Situations Favouring Disease Outbreaks	1
11	Natural Immunity and Disease Control	1
12	General Principles of Disease Control	1
13	Environmental Support in Disease Management	1
14	Nutritional Support for Disease Management	1
15	Immunomodulation and Immunostimulation	1
16	Disease Control in Different Aquaculture Systems	1
17	Vaccines and Preventive Methods	1
18	Concept of Therapeutics in Aquaculture	1
19	Effectiveness of Medication, Drugs Used in Aquaculture	1
20	Herbal Therapeutics	1
21	Misuse and Disuse of Chemicals in Aquaculture	1
22	Legislation and Jurisprudence in Aquaculture Therapeutics	1
23	Shrimp Farming and Disease Control	1
24	Bioavailability of Antibiotics in Aquaculture	1

25	Health Management of Broodstock,Larvae,Fry,Jevuniles	1
26	Hospital Tanks ,Isolation and Quarantine	1
27	Disinfection in Fish Health Management	1
28	Medicated Feeds,Health Improvement through Feeds	1
29	SPF, SPR and SPT Seeds	1

Total Theory Lectures: 30

PRACTICAL LECTURE OUTLINE

Sr. No.	TOPIC	No. ofLecture
1	Identification of Disease Conditions	1
2	Pathological Features in Cultivable Fishes	1
3	Economics of Different Treatment Methods	1
4	. Developing Treatment Protocols for Fishes	1
5	Analysis of Environmental Conditions Favouring Outbreaks	2
6	Identification of Epidemic Conditions in Farms	1
7	Preparation of Medicated Feeds	1
8	Validation and Observation of Treatment	1
9	Probiotics and Prebiotics: Identification and Effects	1
10	Hatchery and Farm Visits for Specimen Collection	1
11	Collection and Identification of Diseased Specimens	1

Total Practical Lectures: 15

Dr Abhiman

Course Teacher