

Syllabus for the Post of Fisheries Development officers in Fisheries Deptt

Syllabus

1. Classification of Fishes
2. Riverine Fisheries of India with special reference of fisheries of J&K
3. Fish spawning, maturing, Development
4. Pollution of water bodies
5. Fisheries of lakes, Reservoirs / Reservoir Managements
6. Impact of damming of Rivers
7. Brackish water fisheries
8. Food & Feed Habits of Fishes
9. Culture practices, pond preparation
 - A) Pre-stocking management
 - B) Post stocking management
 - C) Supplementary feeding
 - D) Stocking of fish species
10. Intensive extension & semi intensive fish culture, culture of Indian Major Carps/Exotic Carps
11. Culture of cold water fish species
12. Fish diseases and their control
13. Composite fish culture
14. Propagation of fish culture in private sector
15. Aquatic weeds and their control
16. Artificial spawning
17. Construction of Chinese / Trout hatcheries
18. Food and feeding habits of Trout Fish/ supplementary feeding
19. Introduction of Trout as sport fish in J&K
20. Fish seed Transportation.
21. Sport Fisheries in J&K
22. Sewage fed fisheries in India
23. Prawn culture in India
24. Ornamental Fisheries (breeding and management practices)
25. Integrated Fish Farming
 - i) Paddy cum fish culture
 - ii) Duck cum fish culture

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26. Marine Fisheries in India
27. Fisheries Statistics
28. Resource assessment and potential catch
29. Export / Import of fish
30. Fisheries economics
31. Fisheries products and bi products
32. Marine culture in India
 - (Pearl/ oysters)
 - Crabs, Sea turtle etc
33. Post harvest technology
34. Methods of Fish catch
 1. Line & Rod
 2. Nets
 3. Infurious / harmful fish
 4. Construction of boats
 5. Construction nets
35. Fish spoilage, preservation marketing, handling, packaging, transportation through cold chain mode and method. (Refrigerated van)
- 36 Fish Feed Mills
 - a). Trout Feed Mills
 - b) Carp Feed Mills
37. Health benefits of fish consumption.
38. Fisheries Regulation / legislation
 - i. Inland Fisheries Act
 - ii. Various State Fisheries Acts/ Regulation
 - iii. J&K Fisheries Act
39. Status of Fisheries Development in India with spl. Ref to J&K
- 40 Development of Hill Stream fishes special reference to Indigenous Fish species
41. Role of Indian Council of Agriculture Research in Development of Fisheries in India
42. National Fisheries Development Board
43. Fisheries Education / Training
44. Survey & investigation of Fisheries Resources
45. Mapping of water bodies

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46 Fisheries Engineering (Aquaculture Engineering)

- i. Lay out / designing of farms, Raceways, Hatcheries,
- ii. Drawing of water supply
- iii. Cold Chain Refrigeration

47 Conservation of Fish Resources in India

48 Value Addition

49. RAS Technology

46. Inland Fish Culture


50 Fish biology

51. Fish Genetics

49. Inland Fish Culture

- a. Fish Culture in ponds, productivity
- b Culture of Indigenous fish species
- c Construction of Fish Farms,
- d Trout Raceways, Hatcheries

52. Role of Fish Farmers Development Agency and Implementation various Schemes


Director Fisheries
J&K Government