

**SCHEME AND SYLLABUS FOR THE RECRUITMENT TO THE POST OF  
FISHERIES DEVELOPMENT OFFICER IN A.P. FISHERIES SERVICE**

<b><u>PART-A:</u></b> WRITTEN (OBJECTIVE TYPE) EXAMINATION				
Paper-1	General Studies & Mental Ability	150 Marks	150 Minutes	150 Questions
Paper-2	Subject (Common for all candidates)	300 Marks	150 Minutes	150 Questions
<b><u>PART-B:</u></b>	INTERVIEW	50 Marks		

**SYLLABUS**

**PAPER-1.: GENERAL STUDIES MENTAL ABILITY**

1. General Science – Contemporary developments in Science and Technology and their implications including matters of every day observation and experience, as may be expected of a well-educated person who has not made a special study of any scientific discipline.
2. Current events of national and international importance.
3. History of India – emphasis will be on broad general understanding of the subject in its social, economic, cultural and political aspects with a focus on AP Indian National Movement.
4. World Geography and Geography of India with a focus on AP.
5. Indian polity and Economy – including the country's political system- rural development – Planning and economic reforms in India.
6. Mental ability reasoning and inferences

**PAPER-2. (SUBJECT)**

1. General principles of Taxonomy, out line classification and General characters on Non-Chordates and Chordates
2. General study of Parasitic and Pathogenic Protozoans, Helminthes and Arthropods with reference to Fish and Prawn culture
3. Phylum chordata – class – pisces – taxonomy – classification – general Morphology and Anatomy of chondrichthyes and osteich-thyes and osteichthyes – general distribution of fish
4. Fish growth – Morphometric and Meristic characters
5. Food and feeding habits with special reference to Digestion in Fish
6. Respiration and osmo-regulation in fishes
7. Endocrine system of fishes
8. Reproductive system and breeding habit in fishes
9. Adaptations – migration of fishes
10. Parental care of fishes
11. Culturable varieties of fish (indigenous and exotic) and Prawns
12. Breeding methods – Natural – bundh – induced breeding
13. Fresh water aqua culture – fresh water fishery resources preparation and management of ponds – Aquatic weeds and control
14. Brackish water aquaculture – Brackish water fishery resources – management of brackish water ponds
15. General aspects of marine biology and mariculture – Mussel culture – Oyster culture – Fish and Crab culture and sea-weed culture
16. Study of major group of plankton and their importance in aquaculture
17. General account of fish and prawn diseases and their control
18. General principles of Ecology – aquatic ecosystem with reference to fresh water brackish water and marine environment
19. General methods of preservation and processing of fishes and prawns
20. Economic importance of fisheries – Fish by-products.