

**ANNEXURE – II**  
**NOTIFICATION NO.24/2018**

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

SCHEME FOR SCREENING TEST  
WRITTEN EXAMINATION (OBJECTIVE TYPE)

WRITTEN EXAMINATION (OBJECTIVE) Degree Standard				
Paper	Subject	No. Of Questions	Duration	Maximum Marks
Paper - I	General Studies & Mental Ability	150	150	150
Paper - II	Fisheries Science - I	150	150	150
Paper - III	Fisheries Science - II	150	150	150
Total				450
<b>N.B:</b> As per G.O.Ms. No.235 Finance (HR-1, Plg & Policy) Dept, Dt: 06/12/2016, for each wrong answer will be penalized with 1/3 <sup>rd</sup> of the marks prescribed for the question in all Objective type papers.				

**SYLLABUS**

**PAPER-I: GENERAL STUDIES AND MENTAL ABILITY**

1. Events of national and international importance.
2. Current affairs- international, national and regional.
3. General Science and its applications to the day to day life Contemporary developments in Science & Technology and information Technology.
4. Social- economic and political history of modern India with emphasis on Andhra Pradesh.
5. Indian polity and governance: constitutional issues, public policy, reforms and e-governance initiatives with specific reference to Andhra Pradesh.
6. Economic development in India since independence with emphasis on Andhra Pradesh.
7. Physical geography of Indian sub-continent and Andhra Pradesh.
8. Disaster management: vulnerability profile, prevention and mitigation strategies, Application of Remote Sensing and GIS in the assessment of Disaster.
9. Sustainable Development and Environmental Protection
10. Logical reasoning, analytical ability and data interpretation.
11. Data Analysis:
  - a) Tabulation of data
  - b) Visual representation of data
  - c) Basic data analysis (Summary Statistics such as mean, median, mode, variance and coefficient of variation) and Interpretation
12. Bifurcation of Andhra Pradesh and its Administrative, Economic, Social, Cultural, Political, and Legal implications/problems.

**PAPER-II Fisheries Science-I**

1. General principles of Taxonomy, outline 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

**PAPER-III Fisheries Science-II**

1. Culturable varieties of fish (indigenous and exotic) and Prawns
2. Breeding methods – Natural – bundh – induced breeding
3. Fresh water aqua culture – fresh water fishery resources preparation and anagement of ponds – Aquatic weeds and control
4. Brackish water aquaculture – Brackish water fishery resources – management of brackish water ponds
5. General aspects of marine biology and mariculture – Mussel culture – Oyster culture – Fish and Crab culture and sea-weed culture
6. Study of major group of plankton and their importance in aquaculture
7. General account of fish and prawn diseases and their control
8. General principles of Ecology – aquatic ecosystem with reference to fresh water brackish water and marine environment
9. General methods of preservation and processing of fishes and prawns
10. Economic importance of fisheries – Fish by-products.