

## **ANNEXURE-II**

### **SYLLABUS FOR GENERAL POSTS – VILLAGE FISHERIES ASSISTANT**

| <b>Written examination<br/>(Objective Type)</b>                                                                                       | <b>No., of<br/>questions</b> | <b>Duration<br/>(minutes)</b> | <b>Maximum<br/>Marks</b> |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|--------------------------|
| <b>Part- A :</b> General Studies and mental ability                                                                                   | 50                           | 50                            | 50                       |
| <b>Part – B :</b> General Fisheries, Inland Fisheries, Marine Fisheries, Aquaculture, Fishing Gear and Craft and Fisheries Management | 100                          | 100                           | 100                      |
| <b>TOTAL</b>                                                                                                                          |                              |                               | <b>150</b>               |

**Note:-** For each correct answer 1 mark will be awarded and each wrong answer will carry 0.25 negative mark.

### **SYLLABUS FOR EXAMINATION TO THE POST VILLAGE FISHERIES ASSISTANT IN A.P. FISHERIES SUBORDINATE SERVICE**

#### **PART-A**

#### **GENERAL STUDIES AND MENTAL ABILITY**

1. General Mental ability and reasoning.
2. Quantitative aptitude including data interpretation.
3. General English.
4. Current affairs of regional, national and International importance.
5. General Science and its applications to the day to day life, Contemporary development in science and Technology and information Technology.
6. History & Culture of India with specific focus on AP.
7. Indian polity and governance: constitutional issues, 73/74<sup>th</sup> Amendments, public policy, reforms and centre – state relations with specific reference to Andhra Pradesh.
8. Society, Social justice, rights issues.
9. Physical geography of Indian sub-continent and Andhra Pradesh.
10. Key welfare & development schemes of Government of Andhra Pradesh.

#### **PART-B- Fisheries**

##### **I. General Fisheries:**

1. Introduction to Fishes; Principles of Taxonomy; Classification of Fishes; Catadromous, Anadromous Fish migration
2. Commercially important species of Marine, Freshwater & Brackish water fishes of India & Andhra Pradesh
3. General Morphology, Anatomy, Physiology of Fishes, Shrimp, Prawn, Crab
4. Nutritive Value of Fish & Prawn
5. Status on Aquatic Production & Productivity of India & AP
6. Status of exports of aquatic products from India & AP
7. Carnivorous Fishes & Toxic aquatic species
8. Assessment of Quality of Fish.

## **II. Inland Fisheries**

1. Inland Fisheries Resources of Andhra Pradesh
2. Types of water bodies exists in freshwater ecosystem
3. Ecology of Pond, tanks, lakes, Reservoir, River
4. Classification of Reservoirs & their Management;
5. Banned fish species and mechanism of disposal of stocks
6. Induced Breeding Techniques
7. Inland Fish Seed Farms & management
8. Cage culture in Reservoirs - pros & cons
9. Ornamental Fishes- Breeding & rearing techniques

## **III. Marine Fisheries:**

1. Marine Resources of Andhra Pradesh
2. Tides, Currents, waves, monsoons, continental shelf, upwelling & sinking
3. Important marine fishery; coastal, offshore & deep sea species
4. Importance of by-catch Reduction Devices Turtle Excluder Device
5. Conservation of marine Turtles & mammals
6. Sea safety & Navigational equipment
7. Registration of marine Fishing Craft
8. Fish Landing Centres, Fishing Harbours Management
9. Important Deep sea fishes of India
10. Marine Cage Culture
11. Marine Fishing ban period
12. Coastal Security- MFR Act, MS Act.
13. Colour Code for Marine Fishing Boats

## **IV. Aquaculture:**

1. Types of Aquaculture systems
2. Pond construction
3. Water & Soil management
4. Indian Major Carps Breeding & hatchery management
5. Nursery Management
6. Seed Rearing; Production management of Advanced Fingerling & Yearlings
7. Breeding & Hatchery management of Freshwater Prawn, *M. rosenbergii*
8. Breeding & Hatchery management of *L. vannamei*
9. Preliminary Concepts of Specific Pathogen Free brood stock, Nucleus Breeding Centre, Brood Stock Multiplication Centre, Aquatic Quarantine Facility
10. Integrated Fish farming with Paddy- Horticulture
11. Fish nutrition and feed management : Types of Feed, Feeding methods, Nutritional requirement of Fish; quantity of feed
12. Registration & Regularization of freshwater aquaculture ponds for culturing Indian Major Carps - DLC- Guidelines- Penalty & demolition on violations
13. CAA guidelines for registration of aqua farms and Hatcheries
14. Guidelines for culture of Nile Tilapia in ponds
15. Production & Productivity enhancement mechanisms
16. Common Diseases of aquatic animals & management
17. Concept of Biosecurity and HACCP
18. Best Management Practices for achieving sustainable production

**V. Fishing Craft and Gear:**

1. Types of Crafts & Gear used in capture fishery - marine, inland sectors
2. Different types of gear material
3. Mesh Size Regulation

**VI. Fisheries Management:**

1. Pollution & control measures
2. Marketing- Role of fisherwomen- Hygiene handling & maintenance of fish markets
3. Conservatory measures in marine & reservoir fisheries
4. Role of Gram Panchayats in development of fishery wealth
5. Livelihood enhancement & employment opportunities in fisheries sector
6. Various value added & health products
7. Usage of Banned Antibiotics in aquaculture and its implications on exports
8. Concept of Aqua zonation & its benefits in management
9. Role of Fisheries Co-operatives in enhancing the fish production & productivity in public water bodies
10. Natural calamities- Floods, Cyclones, Tsunamis- Role of communities, local bodies in preparedness
11. Role of Gram Panchayats in Maintenance of Fish Markets.