

ARUNACHAL PRADESH  
PUBLIC SERVICE COMMISSION  
ITANAGAR

**SYLLABUS FOR THE POST OF FISHERY OFFICER/EXTENSION OFFICER (FISHERY)**

**Written Examination and Viva-Voce**

<b><u>Subject/Papers</u></b>	<b><u>Marks</u></b>
1. General English	: 100 Marks
2. General Knowledge	: 100 Marks
3. B.F.Sc. Paper-I	: 100 Marks
4. B.F.Sc. Paper-II	: 100 Marks
5. Viva-Voce	: 50 Marks

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**Total : 450 Marks**

1. **General English** :-

The candidates will be required to write an essay in English. Other questions will be designed to test their standard of English and workman like use of words, passages will usually be set for summary or précis.

**BFSc Paper-I & II : based on BFSc, Degree programme**  
**Course content.**

2. **B.F.Sc. Paper-I :-**

**(a) Aquaculture:-**

1. Principles of aquaculture
2. Fish endocrinology & reproductive ecology.
3. Fresh water aquaculture.
4. Fin Fish breeding & Hatchery management.
5. Pond and fish farm construction.
6. Shell fish breeding & Hatchery management.
7. Fish genetics & Biotechnology.
8. Coastal aquaculture.
9. Fish nutrition and feed technology.
10. Integrated aquaculture.
11. Upland-Cold water fisheries.
12. Fish disease diagnosis and management.
13. Ornamental Fisheries.

**(b) Fishery Biology :-**

1. Taxonomy of Fishes.
2. Aquatic biology.
3. Fundamental of microbiology.
4. Biology of Fin and Shell fishes.
5. Taxonomy of shell fishes.
6. Inland capture fisheries.
7. Food chemistry and nutrition.
8. Anatomy of fin and shell fishes.
9. Fish Biochemistry.
10. Physiology of fin and shell fishes.
11. Marine capture fisheries.
12. Population dynamics and stock assessment.
13. Fishery microbiology and quality control.

(C) **Fishery Hydrography :-**

1. Water and soil chemistry.
2. Meteorology and geography.
3. Limnology.
4. Physical and chemical oceanography.
5. Biological oceanography.
6. Aquatic pollution.
7. Aquatic environment and biodiversity.
8. Management of biological productivity in pond water.

3. **B.F.Sc. Paper-II :-**

**(a) Fishery Technology :-**

1. Refrigeration and equipment engineering.
2. Freezing technology .
3. Fishing craft and gear technology.
4. Fish processing technology .
5. Navigation, seamanship and meteorology.
6. Harvest and post harvest technology.
7. Fishing technology.
8. Fish products and by- products.
9. Packaging technology.

**(b) Fishery Economics and Management:-**

1. Mathematics and Statistics.
2. Fisheries Statistics.
3. Business administration.
4. Fishery economics.
5. Fishery administration and legislation.
6. Project formulation, implementation and evaluation.
7. Cooperative banking and marketing management.

**(c) Fishery Extension :-**

1. Fishery extension education.
2. Computer application.
3. Rural sociology extension and communication.

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