

ARUNACHAL PRADESH PUBLIC SERVICE COMMISSION, ITANAGAR

FISHERIES SCIENCE - PAPER - I

Time: 3 (three) hours

Marks: 100

SECTION: A (AQUACULTURE)

1. Write a brief account of freshwater aquaculture systems that prevails in India (10)

Or

Write the classification of aquatic weeds based on their habitats and their control measures in general.

2. Write notes on (any 6) (6×2= 12)

- a) Carrying capacity of pond
- b) Sewage fed fisheries
- c) Types of organic manures
- d) Criteria for selecting a fish species for aquaculture
- e) Importance of live fish food organisms in aquarium fish
- f) Overwintering ponds
- g) Integrated fish culture
- h) Ichthyophthirius multifiliis
- i) Balanced diet in aquaculture
- j) Control of predatory fishes

3. Answer any two of the following (2×6=12)

- I. Give an account of oyster farming systems.
- II. What are the sexual dimorphisms in Indian major carps? Write on brood-stock management of carps.
- III. What do you understand by prophylaxis and chemotherapy? Write on common bacterial diseases that are found in Arunachal Pradesh and their control measures.
- IV. Write about the Coldwater fisheries in North Eastern region of India.

