

Section A: Objective Type Questions

Q1. Choose the appropriate Answer: (8x1.5=12)

- i. The type of aquaculture where minimum management practices are followed is known as
A Extensive aquaculture B Intensive aquaculture
C Semi-intensive D Composite fish farming aquaculture
- ii. The integration of fish farming with other farming system is known as
A Composite fish farming B Integrated fish farming
C Polyculture D Monoculture
- iii. Which of the following pond is meant for rearing of spawn to fry stage of fish
A Nursery pond B Rearing pond
C Stocking pond D Brood stock pond
- iv. Which of the following is not a pre-stocking management
A Removal of weeds B Removal of predatory and weed fishes
C Liming D Supplementary Feeding of fish stock
- v. Pearson's Square method is used for
A Designing of fish pond B Construction of Hatchery
C Calculating the amount of different feed ingredients used for preparation of fish feed D Calculating the stocking density of Nursery pond
- vi. Which of the following is the modern and reliable method of procurement of fish seed
A Riverine collection of fish seed B Bundh Breeding
C Sympathetic breeding D Induced breeding and hatchery produced seed

- vii. Which of the following successfully introduced trout fish in Kashmir
A Sir Francis Day B Wilson
C F.J Mitchel D Sodama Pandit
- viii. *Macrobranchium rosenbergii* is a
A Freshwater prawn B Brackishwater prawn
C Marine prawn D None of these

Section-B: Descriptive Type Questions (Short Type)

Q2: Answer all the Questions (8 x 4 =32)

- i. Define aquaculture.
- ii. Differentiate between Extensive and Intensive aquaculture.
- iii. List some pre-stocking management practices of fish farming.
- iv. Name different types of ponds required for rearing different stages of fish.
- v. Write a brief note on Bundh breeding.
- vi. Discuss few advantages of artificial feeding.
- vii. Name trout species introduced in Kashmir.
- viii. Name two species of pearl oysters used for pearl culture.

Section – C: Descriptive Type Questions (Medium Type)

Answer all the questions: (4 x 7=28)

Q 3. Discuss the history of aquaculture

OR

What criteria is followed while selecting Cultivable Fish Species for aquaculture

Q 4. Differentiate between Nursery pond and Rearing pond

OR

Discuss the process and advantages of liming of fish pond.

Q 5. Discuss different feeding techniques adopted for feeding fish with special reference to mechanical feeding techniques.

OR

What is the procedure of harvesting of fish stock for marketing

Q6. Discuss pearl culture with special reference of implantation of nucleus in recipient oyster

OR

Discuss the method of freshwater prawn farming

Section – D: Descriptive Type Questions (Long Type)

Answer any two of the following: (2 x 14=28)

Q7. Discuss Integrated fish farming in detail with special reference to fish - dairy integration and fish - duck integration.

Q8. Discuss the Criteria for selection of suitable site for fish farms.

Q9. Explain the process of formulation of fish feed.

Q10. Elaborate a note on pearl culture.