

OCTOBER 2011

P/ID 40315/PZLL

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

Define/Explain the following :

1. Fecundity.
2. Brood stock.
3. Tagging method.
4. Monosex production.
5. Capture fishery.
6. Pelagic fish.
7. Semi-intensive culture.
8. Artemia.
9. Gears and crafts.
10. CMFRI

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 250 words.

11. (a) Describe growth and feeding adaptations seen among Indian major carps.

Or

- (b) What is meant by 'cryopreservation'? Mention its uses.

12. (a) How would you determine the age of a fish?

Or

- (b) Present a brief note on fish immune system.

13. (a) Enlist the diseases caused by fishes in man. Suggest measures to prevent them.

Or

- (b) "Can fishes be used as bio control agents of diseases in man"? - Present your views.

14. (a) What are the site selection criteria for aquaculture ponds?

Or

- (b) Describe 'water quality management' in fish aquaculture.

15. (a) How would you maintain an aquarium at home?

Or

- (b) Briefly explain brackishwater fish culture.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

16. (a) Discuss the role of hormones in fish reproduction.

Or

- (b) Classify any five economically important marine fishes of Indian coasts.

17. (a) Write short notes on

- (i) Condition factor
- (ii) Length - weight relationship

Or

- (b) Elaborate on hybridization techniques practised in aquaculture.

18. (a) “Is fish an ideal food for human health”?  
– Discuss.

Or

- (b) Trace the fishery zones of India and comment on the pelagic fishery.

19. (a) Elaborate on ‘Composite fish culture’. How is fish feed formulated?

Or

- (b) Discuss ‘fish disease management’.

20. (a) Analyse the developmental stages of Prawn and illustrate.

Or

- (b) Write an essay on ‘Pearl oyster culture’.
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