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[SZ - S 369 B]

M.Sc. DEGREE EXAMINATION

Zoology

Third Semester

AQUACULTURE

(Effective from the admitted batch of 2022-2023)

Time : 3 hours

Max. Marks : 70

*Answer ALL questions.
All questions carry equal marks.*

UNIT - I

1. (a) Explain the general principles of aquaculture. ✓
(b) Describe warm water and cold water aquaculture. ✓
(OR)

2. (a) Give an account on fish hatchery design.
(b) Discuss the biological and technological basis of aquaculture.

UNIT - II

3. (a) Discuss the recent advances in aquaculture engineering. → own Sedhi

- (b) Explain the water intakes and drainage system of pond. ✓

(OR)

(P.T.O.)

4. (a) Write an account on liming, fertilization and eradication of weed fishes.
- (b) Explain food conversion ratio and protein efficiency ratio. Add a note on their significance.

UNIT - III

5. (a) Describe the sea bass culture.
- (b) Explain pearl oyster culture.

(OR)

6. (a) Discuss the integrated farming with special reference to paddy cum fish culture. ✓
- (b) Describe briefly the culture of freshwater prawn. ✓

UNIT - IV

7. (a) Explain the water budget of an excavated pond. ✓
- (b) Discuss the role of COD and BOD in water quality management. ✓

(OR)

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8. (a) Describe the feeding techniques and schedules.
- (b) Discuss the role of probiotics in nutrition.

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UNIT - V

9. (a) Give an account on methods to suppress bacterial growth. ✓
- (b) What are the aquaculture wastes? Explain the methods to minimize them. ✓

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(OR)

10. (a) Discuss the beneficial and harmful effects of antibiotics in aquaculture.
- (b) Explain the economics of different kinds of aquaculture.

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