

Q.P. Code :08151

[Time: 2½ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:**
1. **All questions are compulsory**
 2. **All questions carry equal marks.**
 3. **Draw neat labeled diagrams wherever necessary.**

- Q.1 Explain what types of seed are used for seed collection in Aquaculture industry. 12
- OR**
- Q.1 Give an account of hatchery seed production in finfishes. 12
- Q.2 Explain maturation and development of Tilapia Finfish. 12
- OR**
- Q.2 Explain maturation and development of Indian Carp culture. 12
- Q.3 What is the meaning of captive rearing in Aquaculture? Explain maturation and induced spawning of Prawns. 12
- OR**
- Q.3 Explain brood stock in detail and add a note on nutritional requirements of brood stock of Prawn. 12
- Q.4 Give an account of criteria for site selection of hatchery and nursery design in Aquaculture. 12
- OR**
- Q.4 Explain Chinese hatchery system and compare with other hatchery system designs and operation in India. 12
- Q.5 Write a short notes on **Any Three:** 12
- a. What is cryopreservation used in Aquaculture industry?
 - b. Hatchery production and rearing of seed.
 - c. Commercially important prawns.
 - d. Eyestalk ablation technique and its important in induced breeding.
 - e. Transport of seed.
 - f. Seasonal changes and its effects on reproduction of finfish.
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