

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2021**

Aquaculture

AQC 4B 07—BRACKISH WATER AQUACULTURE AND MARICULTURE

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

- | | |
|-----------------------------------|------------------|
| 1. Water crab. | 2. Rack culture. |
| 3. Sea ranching. | 4. Buffer zone. |
| 5. Coastal Aquaculture Authority. | 6. Salinity. |
| 7. Coastal zone management. | 8. Lab-lab. |
| 9. IMTA. | 10. Bheries. |
| 11. Capture based aquaculture. | 12. Pearl Spot. |

(8 × 3 = 24 marks)

Section B

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Eutrophication.
14. Crab culture techniques.
15. Comment on Coastal Regulation Zone.
16. Recirculatory Aquaculture.

Turn over

17. Water quality management in shrimp culture.
18. Cage culture.
19. Pearl production techniques.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.
The question carries 11 marks.*

20. Write on brackishwater fish farming practices with the popular candidate species under culture.
21. Write a note on environmental impacts of coastal aquaculture practices.

(1 × 11 = 11 marks)

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Aquaculture

AQC 4B 07—BRACKISH WATER AQUACULTURE AND MARICULTURE

(2014 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

I. Write one-word answers of the following. Answer *all* questions :

- 1 Which State in India contributes to the maximum production of shrimp from aquaculture ?
- 2 Protandrous nature of maturation is shown by _____.
- 3 The scientific name of India white prawn is _____.
- 4 Headquarters of Central Institute of Brackishwater Aquaculture is situated in _____.
- 5 A brackishwater fish species that shows parental care is _____.
- 6 *Rachycentron candanum* is the scientific name of _____.
- 7 The Authority which gives permission to carryout fish culture in the coastal waters is _____.
- 8 Bilateral eye stalk ablation is normally practiced in _____.
- 9 The crustacean live feed that is widely used in shrimp hatchery is _____.
- 10 The most common method of seaweed farming is _____.

(10 × 1 = 10 marks)

Part B

II. Write short notes on the following. Answer any *five* questions :

- 11 Nucleus.
- 12 Rope culture.
- 13 Floating feeds.
- 14 Open net pen system.
- 15 RFID tag.
- 16 Cobia.
- 17 *Scylla serrata*.

(5 × 2 = 10 marks)

Turn over

Part C

III. Answer short essay any *six* questions :

- 18 Lobster farming in the coast of Tamil Nadu.
- 19 Pond based farming of milkfish.
- 20 What is the social conflict related to coastal aquaculture ?
- 21 Induced pearl production.
- 22 What are steps involved in selection of sites for brackishwater aquaculture ?
- 23 Management practices adopted in edible oyster farming.
- 24 Different means by which the genetic erosion occurs for native fish species.
- 25 Write notes on use of chemical residues including antibiotics in fish culture.

(6 × 5 = 30 marks)

Part D

IV. Answer essay any *two* questions :

- 26 What is the difference between extensive, semi-intensive and intensive shrimp culture ?
- 27 Why is it considered that the carbon footprint increases with intensification of aquaculture ?
- 28 Discuss the advantages of traditional aquaculture systems to those presently followed.
- 29 What is the present status and recent developments in the field of brackishwater aquaculture ?

(2 × 15 = 30 marks)