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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2022

Fifth Semester

Core Course XIII—LARVAL NUTRITION AND CULTURE OF FISH FOOD ORGANISMS

(Common for B.Sc. Aquaculture and B.Sc. Industrial Fish and Fisheries)

[2013 Admission onwards]

Time : Three Hours

Maximum Marks : 80

Part A (Short Answer Questions)

Answer all questions.

Each question carries 1 mark.

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|-------------------------|-------------------|
| 1. Crumbles. | 2. Instar. |
| 3. Feeding frequency. | 4. Digestibility. |
| 5. Live feeds. | 6. EDTA. |
| 7. <i>Skeletonema</i> . | 8. Photoperiod. |
| 9. Lux. | 10. Pure diet. |

(10 × 1 = 10)

Part B (Brief Answer Questions)

Answer any eight questions.

Each question carries 2 marks.

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|---------------------------------|----------------------------------|
| 11. Hatching percentage. | 12. Essential fatty acid. |
| 13. Erlenmeyer flask. | 14. Copepods. |
| 15. Limiting amino acid. | 16. Flocculant. |
| 17. Food conversion efficiency. | 18. Synthetic seawater medium. |
| 19. Feeding rate. | 20. Vitamin E. |
| 21. Centrifugation. | 22. Gates and Wilsons NH medium. |

(8 × 2 = 16)

Part C (Descriptive/Short Essay Questions)

Answer any six questions.

Each question carries 4 marks.

23. Guillard's F/2 medium.
24. Weaning diet.

Turn over





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25. *Brachionus*.
26. Nitrogen fertilizers.
27. Microbound diets.
28. Tubifex.
29. Mass culture.
30. C : N : P ratio.
31. Stock culture.

(6 × 4 = 24)

Part D (Long Answer Questions)

*Answer any **two** questions.
Each question carries 15 marks.*

32. Microalgae culture.
33. Nutritional requirements of shellfish larvae.
34. Culture of Artemia.
35. Media used in culture of fish food organisms.

(2 × 15 = 30)

