

CODE: **196509**  
NOVEMBER 2020

TIME: 3 Hrs  
MAX. MARKS: 50

**PART A**

(10 x 2=20)

Answer any **TEN** questions.

1. Nutrition
2. Bioenergetics
3. Fish scurvy
4. FCR
5. Blood meal
6. Moist feed
7. Antioxidants
8. Probiotics
9. Surimi
10. Compound Feed
11. Extruded
12. Balanced feed

**PART B**

(2 x 5=10)

Answer any **TWO** questions.

13. Comment on the Nitrogen Balance and its significance in aquaculture nutritional requirements.
14. Write the importance of essential and non –essential amino acids in fish feed.
15. Enumerate the various factors affecting feed intake in aquaculture.
16. Explain the process of drying and grinding feed ingredients in aquaculture.
17. Comment on the use of additives in fish feed.
18. Explain the strategies adopted for storage and maintenance of quality fish feed.
19. Write the significance of fish nutrition in aquaculture.
20. Comment on the different grades of fish feed.

**PART C**

(2 x 10=20)

Answer any **TWO** questions.

21. Write an account on basic nutritional requirements and their significance in fish feed
22. Tabulate the various types of syndromes caused due to nutrition deficiency in aquaculture.
23. Write an account on Conventional and Non –conventional fish feed ingredients.
24. Discuss the assessment of fish feed quality.
25. Elaborate on the maintenance and management of fish feed mills.