MIDNAPORE CITY COLLEGE
ESTD 2017
CENTRAL LIBRARY

2026

2nd Semester Examination

M.F.Sc. in Aquaculture

Paper : AQC 505-T

(Fish Nutrition and Feed Technology)

Full Marks : 70 Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any *five* questions : 2×5=10

1. Define fish nutrition.
2. What is a balanced diet for fish?
3. Name any four commonly used feed ingredients in aquaculture with protein percentage.
4. Define maturation diets fish breeding.
5. Why is laboratory analysis important in feed evaluation?
6. What is feed binders? Give two examples.

P.T.O.

7. Differentiate between natural food and artificial feed.

8. Write down the relation among FCR and PER.

Group - B

Answer any ***six*** questions : 5×6=30

9. Briefly describe the fish feed ingredients with suitable examples.

10. Write down the different methods of feed preparation used in aquaculture.

11. Define Feed Conversion Efficiency (FCE). Discuss the importance of feed economics in commercial aquaculture. 2+3

12. Mention the equipments used in fish feed production and its significance.

13. What do you mean by novel feed. Mention the importance of novel feed ingredients in aquaculture. 2+3

14. Describe vacuum coating process with lipids in high-energy feed production.

15. Write down behavioural characteristics of fish feeds in water and their significance in feeding fishes.

16. Define high energy feeds. Mention the advantages of high energy feeds in aquaculture. 2+3

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17. Discuss the role of pelletizers and extruders in fish feed production.

18. Mention the quality control procedures followed in fish feed manufacturing.

Group - C

Answer any ***one*** question : 10×1=10

19. Write down the different nutrients required by fishes with their functions. Mention the relationship between fish nutrition and aquaculture productivity. 5+5

20. Define stable feed with example. What do you mean by the term nutrient leaching? Differentiate between floating and sinking feeds. 3+3+4

[Internal Assessment : 20 marks]

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