

QP CODE: D4BZL2403	(Pages: 2)	Reg. No :
		Name :
FOURTH SEMESTER FYUGP EXAMINATION, APRIL 2026 Discipline Specific Core (DSC) Courses - Major ZOO4CJ205 : BASICS IN AQUACULTURE AND FISHERY SCIENCE PRACTICES (Credits: 4)		
Time: 2 Hours	Maximum Marks: 70	
Section A		
Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)		
1. State the role of biosecurity in ornamental fish health management.	BL1	CO4
2. What is black soldier fly larvae?	BL2	CO4, CO5
3. Discuss about Branchiomycosis in fishes.	BL1	CO4
4. State the role of aquarium plants in ornamental aquaria.	BL1	CO1
5. Write a brief account on pearl culture.	BL1	CO1
6. Write a note on brackish water aquaculture.	BL2	CO1
7. What are the important features of cat fishes?	BL2	CO1, CO4, CO6
8. Define catamaran.	BL2	CO3
9. What are exotic fishes? Give two examples.	BL2	CO1
10. Define aquaculture.	BL1	CO1
Section B		
Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)		
11. Name any 3 freshwater, brackish water and marine shellfishes used in aquaculture.	BL2	CO1
12. Explain the role of filtration, aeration, and lighting in aquarium management.	BL2	CO5
13. During peak fishing season, excess catch leads to spoilage. Design a practical preservation strategy using at least three methods.	BL3	CO3, CO4
14. Describe the controlled breeding techniques used in ornamental fish culture.	BL2	CO1
(PTO)		

15. Discuss the scope and importance of ornamental fish culture in India, highlighting its economic potential.	BL1	CO1
16. Justify your friend's statement that polyculture is better than the monoculture.	BL3	CO2
17. Write the common steps involved in breeding the aquaculture species.	BL2	CO1
18. A fisheries department plans a semen bank. Explain how cryopreservation can be applied for genetic improvement programmes.	BL3	CO4
Section C		
Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)		
19. Explain the different methods of fish preservation highlighting their advantages.	BL2	CO3
20. A small-scale hatchery is planned in a rural area. Design an applied hatchery model including type, layout, feed management, and harvesting strategy.	BL3	CO4
CO : Course Outcome		
BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)		