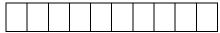
AY 23 /AY 22 Reg. No





Time: 3 hrs

GIET UNIVERSITY, GUNUPUR – 765022

Ph.D. (Second Semester) Examinations, April - 2024

PPEZO2022 /WPPEZO2022 - Fisheries and Aquaculture

(ZOOLOGY)

Maximum: 70 Marks

The figures in the right-hand margin indicate marks.

Answer ANY FIVE Questions

(14 x 5 = 70 Marks)

Marks

1.a.	Explain on Inland Fisheries resources and its significance in India.	6
b.	Write on Probiotics and pre-biotics as feed additives and functional food-Feed storage.	8
2.a.	Explain about different Fish Culture Techniques.	7
b.	What is aquaculture and why is it important?	7
3.a.	What do you mean artificial feed? Discuss the significance of artificial feed culture.	9
b.	Explain on fishing gears and Grafts.	5
4.a.	Describe about selection of suitable site, design and construction of culture ponds for aquaculture.	6
b.	Explain about Fish diseases due to fungal and parasitic infection.	8
5.a.	Write notes on:	7
	(i) Fish finder	
	(ii) GPS navigator	
b.	What are Conventional methods of diagnostics for Fish diseases?	7
6.a.	Elaborately describe on extensive, semi-intensive, intensive and super intensive Fishculture practices.	6
b.	Explain Ecological and social aspects of aquaculture development.	8
7.a.	Differentiate between finfish and shellfish? Explain the significance of culturing thesefishes.	5
b.		9
8.a.	Explain about Fish diseases due to fungal and parasitic infection. What do you mean by Gnotobiotic? Explain methods for generating and colonizing	8
0.a.	gnotobiotic fishes?	0
b.	How do you maintain water quality in fish ponds?	6

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