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# GIET UNIVERSITY, GUNUPUR – 765022

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

## PPEZO2022 /WPPEZO2022 - Fisheries and Aquaculture (ZOOLOGY)

Time: 3 hrs

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: (i) Fish finder (ii) GPS navigator	7
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 these fishes.	5
b. Explain about Fish diseases due to fungal and parasitic infection.	9
8.a. What do you mean by Gnotobiotic? Explain methods for generating and colonizing gnotobiotic fishes?	8
b. How do you maintain water quality in fish ponds?	6

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