



GIET UNIVERSITY, GUNUPUR – 765022

Ph.D. (Second Semester) Examinations, November – 2023

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. Discuss the role of bycatch in marine fisheries, its ecological and economic implications, and potential solutions and technologies to reduce unintended catch.	7
b. Explain about different advanced equipment like GPS and others for fishing activities.	7
2.a. What is aquaculture and what are the different types of aquaculture?	7
b. In what ways do traditional fishing practices and indigenous knowledge contribute to the conservation and sustainable utilization of fisheries resources.	7
3.a. Elaborately describe extensive, semi-intensive, intensive and super-intensive Fish culture practices.	7
b. Describe the selection of a suitable site, design and construction of culture ponds for Aquaculture.	7
4.a. What is the significance of live feed culture?	7
b. What is artificial feed for cultured fish? What are the different types of artificial feed?	7
5.a. Differentiate between natural and artificial fish feed in aquaculture.	4
b. Explain Feeding Management in aquaculture.	10
6.a. What do you mean by Genotobiotics?	4
b. Explain methods for generating and colonizing genotobiotic fishes.	10
7 a. What are Conventional methods of diagnostics for Fish diseases?	7
b. Explain Fish diseases due to fungal and parasitic infections.	7
8 a. What are the general characteristics of a fish culture pond?	4
b. Preparation and management of culture ponds play a significant role in aquaculture. Justify the statement.	10

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