Reg. No ..... Name **23P312**

M. Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 3 : AQUACULTURE AND FISH PROCESSING

COURSE : **21P3AQCT09 : CULTURE OF FINFISHES, MOLLUSCUS AND SEA CUCUMBERS**

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours Max. Weights: 30

PART A

Answer any 8 questions **Weight: 1**

1.	Explain tidal mud flats.	(U, CO 1, CO 7)
2.	What is periphyton ?	(R, CO 1)
3.	What is beche-de-mer ?	(R)
4.	What is sabellid infestation ?	(R)
5.	What is recirculatory aquauclture system ?	(R, CO 1, CO 7)
6.	What is *Holothuria scabra.*	(R)
7.	What is the purpose of check tray ?	(R, CO 1, CO 7)
8.	What are ascidians ?	(R)
9.	Name some predatory fishes in aquaculture.	(R, CO 1, CO 7)
10.	What are barnacles ?	(R)

(1 x 8 = 8)

PART B

Answer any 6 questions **Weights: 2**

11.	Explain bundh breeding.	(U, CO 1, CO 7)
12.	Distinguish between perennial and seasonal bundhs.	(An, CO 1, CO 7)
13.	Outline the developmental stages of abalone.	(U)
14.	Discuss about the environmental considerations for site selection of oyster hatchery.	(E)
15.	Explain culture of mahseer.	(U, CO 1, CO 7)
16.	Discuss about the processing of beche de mer.	(E)
17.	Elaborate hypophysation.	(Cr, CO 1, CO 4, CO 7)
18.	Compare the two hatchery system used for the development of abalone larvae.	(U)

(2 x 6 = 12)

PART C

Answer any 2 questions **Weights: 5**

19.	Evaluate the role of hormones in induced breeding in fishes.	(E, CO 4)
20.	Analyse the practices, problems and prospects in sea cucumber.	(An)

21. Discuss about milk fish farming in different culture systems. (E, CO 1, CO 3, CO 4)

22. Discuss different grow out systems used in molluscan culture. (E)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Understand the commercial practices on culture of fin fishes and mollusc	U	1, 2, 5, 7, 9, 11, 12, 15, 17, 21	18
CO 3	Understanding the characteristics and criteria for selection of species for mariculture	An	21	5
CO 4	Understanding the seed collection and transportation techniques	U	17, 19, 21	12
CO 7	Describing different types of grow out culture systems	U	1, 5, 7, 9, 11, 12, 15, 17	12

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;