

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023
(First Semester)

Branch - ZOOLOGY

FISHERY BIOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which fishes having placoid scales? a) Paleontological fishes b) Lung fishes c) Bony fishes d) Cartilaginous fishes	K1	CO1
	2	In fishes, air bladder does not facilitate a) Movement b) Respiration c) Excretion d) None of these	K2	CO1
2	3	Recall the Rikhter & Effanov formula is used to estimate. a) Natural mortality b) Fishing mortality c) Total mortality d) None of the above	K1	CO2
	4	Which type of migration the fishes living in fresh waters descend to the sea for spawning? a) Macropodus b) Anadromous c) Catadromous d) Anguilla	K2	CO2
3	5	Find the system of fresh water fishery in India. a) One riverine system b) Five riverine system c) Two riverine system d) Reservoirs system	K1	CO3
	6	Mullet is an example for _____ type of fish. a) Fresh water fish b) Brackish water fish c) Marine water fish d) All the above	K2	CO3
4	7	Beverton and Holt Yield per Recruit Model assumes that a) Recruitment is constant b) Natural mortality is variable c) Fishing mortality is variable d) There is no complete mixing within a stock	K1	CO4
	8	Growth overfishing is an overfishing of a) Young fish b) Adult fish c) Spent individuals d) None of the above	K2	CO4
5	9	Which one is not fish preservation method? a) Canning b) Freezing c) Landing d) Smoking	K1	CO5
	10	Why we used the Jiglines for capturing? a) Predatory fishes b) Squids c) Lobsters d) None of these	K2	CO5

Cont...

SECTION - B (35 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Summarize the Anatomy of Reproductive systems of the fishes.	K2	CO1
		(OR)		
	11.b.	Interpret the food and feeding habits of the fish.		
2	12.a.	Interpret the theory of fishing.	K2	CO2
		(OR)		
	12.b.	Illustrate the factor influencing the Length - weight relationship of the fishes.		
3	13.a.	Explain the Estuarine fisheries in India.	K3	CO3
		(OR)		
	13.b.	Explain the availability of marine crustaceans in India.		
4	14.a.	Illustrate the survey of eggs and larvae of fish.	K2	CO4
		(OR)		
	14.b.	Analyze the growth mortality selection of fishery.		
5	15.a.	Summarize the methods of fish preservation and processing in India.	K2	CO5
		(OR)		
	15.b.	Analyzing the global marketing of fishes.		

SECTION - C (30 Marks)
Answer ANY THREE questions
ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Differentiate the morphometric and meristic characters of Indian Major Crops.	K1	CO1
2	17	Explain the Migration of fishes.	K2	CO2
3	18	Compare the crustaceans and molluscans of marine capture fisheries.	K2	CO3
4	19	Summarize the various methods of surveying the fishery resources in India.	K2	CO4
5	20	Develop the Principal methods of exploitation of fishes.	K3	CO5

Z-Z-Z

END