

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION DECEMBER 2025
(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)

Question No.	Question	K Level	CO
1	The study of fishes is known as: a) Herpetology b) Ichthyology c) Ornithology d) Malacology	K1	CO1
2	Example of an Indian major carp is: a) <i>Channa marulius</i> b) <i>Labeo rohita</i> c) <i>Mystus seenghala</i> d) <i>Clarias batrachus</i>	K1	CO1
3	The unit used to describe a group of fish of the same species that share similar life history is called: a) Biomass b) Population density c) Unit stock d) Cohort	K1	CO2
4	Fishes that migrate between freshwater and marine environments are called: a) Anadromous and catadromous b) Demersal c) Pelagic d) Benthic	K2	CO2
5	Pond fisheries are mainly: a) Marine capture fisheries b) Deep sea fisheries c) Cold water fisheries d) Inland capture fisheries	K1	CO3
6	The main riverine fisheries in India are found in which rivers? a) Ganga and Brahmaputra b) Godavari and Krishna c) Yamuna and Narmada d) All of the above	K1	CO3
7	Which method provides real-time detection of fish schools under water? a) Aerial method b) Population analysis c) Acoustic method d) Larval survey	K1	CO4
8	Population analysis can indicate: a) Fish growth, mortality, and population structure b) Fish feeding habits only c) Water quality only d) Coral reef health	K2	CO4
9	Which method is used to preserve fish by removing moisture? a) Smoking b) Freezing c) Salting d) All of the above	K1	CO5
10	Over handling and poor storage of fish leads to: a) Increased shelf life b) Improved quality c) Reduced microbial growth d) Spoilage and economic loss	K1	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks (5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Explain the external features of fishes with suitable examples.	K2	CO1
	(OR)		
11.b.	Describe the structure and function of the digestive system in fishes.		
12.a.	Determine how various environmental factors influence the growth rate of fishes.	K3	CO2
	(OR)		
12.b.	Illustrate the fish tagging and marking techniques. Migration and growth of fishes.		
13.a.	Discuss the role of reservoir fisheries in supplementing inland fish production.	K4	CO3
	(OR)		
13.b.	Evaluate the ecological and economic implications of overfishing in marine crustaceans.		
14.a.	Explain the acoustic method of fish survey.	K5	CO4
	(OR)		
14.b.	How will you design the larval survey method.		
15.a.	Analyse the socio-economic impact of fishery cooperatives on rural fishing communities.	K6	CO5
	(OR)		
15.b.	Compile the types of fish spoilage.		

SECTION - C (30 Marks)

Answer ANY THREE questions
ALL questions carry EQUAL Marks (3 × 10 = 30)

Question No.	Question	K Level	CO
16	Describe the external and internal features of Indian major carps.	K1	CO1
17	Discuss the socio-economic importance of migratory fishes for inland and coastal communities.	K3	CO2
18	Analyze the current status of inland fishery production in India.	K4	CO3
19	Assess the characteristics and Importance of fisheries.	K5	CO4
20	Explain the principal methods of fish preservation used in India.	K6	CO5