

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018
(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 x 1 = 10)

Latimeria belongs to which one of the following fish type,

- (i) Cat fish (ii) Lung fish
(iii) Star fish (iv) None of these

Which type of scales present in the Teleost fishes?

- (i) Ctenoid (ii) Ganoid
(iii) Placoid (iv) Cycloid

Which species of fish made Catadromous migration?

- (i) Eels (ii) Rohu
(iii) striped bass (iv) none of these

Who introduced the Body-cavity tag in fish tagging?

- (i) Charles (ii) Peterson
(iii) Robert. A (iv) Johnson

Which one of the following indigenous species of cold water?

- (i) Catla (ii) Mahseers
(iii) Tilapia (iv) Catfish

What is the average range of elevation of Snow-Fed cold water?

- (i) 1100m msl (ii) 1470m msl
(iii) 1200 m msl (iv) 1300 m msl

Expand BAC

- (i) Boat activity catch (ii) Boat activity coefficient
(iii) Boat activity cast (iv) None

Which is the best instrument used for aerial fish survey?

- (i) GPS (ii) GNSS
(iii) Depth scale (iv) All of these

Coverage check survey is used to find _____.

- (i) Egg to fish (ii) Larva of fish
(iii) Magnitude the errors (iv) Adult Salmonfish

10 In the fish spoilage the excess amount of urea is degraded as

- (i) Potassium (ii) Calcium
(iii) Ammonia (iv) Nitrate

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5x7 = 35)

- 12 a Analyze the migration of fresh water fish with suitable example.
OR
b Justify the factors influencing the mortality and survival of fishes.
- 13 a Discuss the salient features of Estuary and Cold water.
OR
b Explain about harvesting method of crabs in marine fishery.
- 14 a State the survey of eggs and larva in marine fishery.
OR
b Discuss about the Acoustic survey method of fishery.
- 15 a Explain the methods of fish preservation techniques.
OR
b State the economics of fish marketing in India.

SECTION - C (30 Marks!)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Classify the fishes up to the classes with suitable examples.
- 17 Differentiate the factors affecting Length - Weight relationship of fishes.
- 18 Enumerate the present status and scope of marine fishery in India.
- 19 Analyze the growth mortality selection in fishery.
- 20 Enumerate the modern crafts used in harvest of marine fishery.

Z-Z-Z

END