

M.Sc. ZOOLOGY
FOURTH SEMESTER
FISH & FISHERY BIOLOGY-IV
MSZ-402 C

SET
A

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

1. The Kalinadi Estuary is located in.....
 - a. North Kerala
 - b. North Karnataka
 - c. North Bengal
 - d. North Odisha
2. The total estuarine region belonging to Kerala state is:
 - a. 20%
 - b. 15%
 - c. 10%
 - d. None of the above
3. Which is the predominant food of *Sardinella longiceps*?
 - a. *Brachysoma*
 - b. *Brachysoma*
 - c. *Thalassinus*
 - d. *Plotossus*
4. The Indian Mackerel fishing is carried out at a depth of:
 - a. 100 m
 - b. 75 m
 - c. 50 m
 - d. 25 m
5. The fecundity oflies between 14,600 to 1,46,000 ova.
 - a. Bombay duck
 - b. Indian Mackerel
 - c. Indian Oil Sardine
 - d. Indian Pomfret
6. Aquarium tanks are mostly designed as Length X Depth X
 - a. Angle
 - b. Height
 - c. Curvature
 - d. Circle
7. In raft culture the growth of mussel spat is so rapid that after a period of eight months of spat settlement, marketable mussels are.....
 - a. Harvested
 - b. Stocked
 - c. Deposited
 - d. All of the above
8. Berried females are those that carry fertilized eggs in their.....
 - a. Egg basket
 - b. Fertilizing house
 - c. Caudal peduncle
 - d. All of the above
9. One among the following is also known as giant freshwater prawn:
 - a. *Macrobrachium rosenbergii*
 - b. *Pinctada fucata*
 - c. Shrimp larvae
 - d. Both a and b

10. Fishes that retain their ornamental value throughout life are called
ornamental fishes.
- a. Non-classified
 - b. Non-classic
 - c. Rarified
 - d. Classified

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Discuss about the estuarine regions of Indian coast. | 5 |
| 2. Write in detail about two important marine fisheries of Indian coastal region. | 10 |
| 3. Describe in detail about care and maintenance of aquarium. | 10 |
| 4. Discuss briefly about prawn culture practices in India with suitable examples. | 10 |
| 5. Discuss the status of ornamental fish culture and trade in North-east India. | 10 |

Or

Write short notes on:

5+5=10

a) Raft culture

b) Tank fishery resources of India

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