

TIME : 3 HOURS

Marks-60

SECTION - A

I. Answer any FIVE of the following:

5x4=20

Draw labeled diagrams wherever necessary

1. Commercial importance of mollusks
2. Bioluminescence in fishes
3. Electric organs in fishes
4. Sound producing organs in fishes
5. Length-weight relationship
6. Breeding in pearl oysters
7. Chromatophores and y-organ
8. Y-organ and Chromatophores



SECTION - B

5x8=40

II. Answer any FIVE of the following:

Draw labeled diagrams wherever necessary

9.a. Write an essay on the commercially important freshwater fishes and their morphological characteristics.

OR

b. Write an essay on induced breeding in fishes.

10.a. Give a detailed account of length-weight relationship in fishes

OR

b. Give a detailed account of natural fish food and feeding habits

11.a. Write an essay on induced breeding in fishes?

OR

b. Write an essay on parental care in fishes

12.a. Write an essay on metamorphosis in fishes

OR

b. Describe the moulting stages and metamorphosis in fishes.

13.a. Write an essay on specialised organs in fishes.

OR

b. Describe about the major taxa of marine fishes