

नोट : दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note : Answer from both the section as directed. The figures in the right-hand margin indicate marks.

SECTION-A

1. Answer the following questions:

$1 \times 10 = 10$

- (a) What are the two types of cells due to which colouration is present in fishes ?
- (b) What disease causes white spot or Ich on fresh water fishes ?
- (c) Write the name two loricaceous fishes.
- (d) What is bundh breeding ?
- (e) What is spawn ?
- (f) What is purse net ?
- (g) What are mesopelagic fishes ?
- (h) Write the benefits of cod liver oil.
- (i) Write the name of two deep sea fishes
- (j) What is crustacean fisheries.

2. Answer the following questions

$2 \times 5 = 10$

- (a) Name the types of fresh water fishes consumed as food in India.
- (b) What disease that causes patching and colouration in fresh water fishes ?
- (c) What are the various kinds of fishing crafts are used in India ?
- (d) What is induced breeding ?
- (e) What is reservoir fisheries ?

SECTION-B

Answer the following questions :

$15 \times 4 = 60$

UNIT-I

3. Write an essay on colouration in fishes

OR

Describe the disease caused by viruses and other parasites in fishes.

UNIT-II

4. Explain the economic importance of fishes and its by products.

OR

Describe luminous organs of fishes.

UNIT-III

5. Write significance and explain in brief paddy-cum culture in India

OR

Describe various major adopted for maintenance and improvement of a fish pond.

UNIT-IV

6. Write an essay on Larvivorous fishes in India.

OR

Give an detail account of Planktons its role in pollution of water and fisheries.