

**VPG(4) — Z (14)**  
**Fish & Fisher**

**2016-18**

*Time : 3 hours*

*Full Marks : 70*

*Candidates are required to give their answers in  
their own words as far as practicable.*

*The figures in the margin indicate full marks.*

*Answer from both the Groups as directed.*

**Group – A**

1. Answer any **four** questions briefly :  $2\frac{1}{2} \times 4 = 10$ 
  - (a) Give an account of Bathypelagic fishes.
  - (b) Discuss about the riverine fisheries resources of India.
  - (c) Describe the biotic components likely to be developed in the ponds of a fish farm.
  - (d) Give the outline of procedures for pearl culture.

- (e) What is preservation ? Why it is required ?  
Mention about smoking of fish.
- (f) What do you mean by active and passive fishing devices ? Discuss about hook and line fishing.
- (g) What are the general methods of obtaining fish liver oil ?
- (h) Describe about the role of National Bureau of Fish Genetic Resources (NBFGR) for conservation of fish genetic resources.

**Group – B**

Answer any **four** questions from the following :

$15 \times 4 = 60$

2. Discuss about the role of physico-chemical factors in pond management.
3. Describe about the extensive carp culture in India.
4. Give an account of edible oyster culture in India.
5. Give a general account of East Coast River System.

6. Discuss about the pathogenic diseases of fish and its control.
7. Give an account of natural breeding of carp.
8. Discuss about the point and non-point source of pollution affecting fish production.
9. Give a detailed account of by-products of fish from marine source.

