

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**June, 2014**

00395

**BAQ-002 : FRESH WATER AQUACULTURE**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Attempt any **five** questions. All questions carry equal marks. Support your answer with well labelled diagrams wherever necessary.

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1. (a) Describe the different types of aquatic weeds and the methods of their control. 10  
(b) Discuss the various types of pituitary gland extract substitutes used for carp breeding. 10
2. Discuss sewage fed fish culture. List the constituents and benefits of sewage. 15+5
3. Name the different cold water fishes in India. Describe the biology and culture practices of indigenous cold water fishes. 20
4. Discuss the breeding and culture of air breathing fishes. 20

5. Explain bio-mineralization of pearl. Describe implantation method and surgical procedure for culturing freshwater pearl. 5+15
6. Describe any four parasitic and four bacterial diseases in fin fishes. 20
7. What is the main principle of integrated fish farming ? Discuss the horticulture-fish culture listing the requisite characteristics of plants in this system. 20
8. Write short notes on any **four** of the following : 4×5
- (a) Biology of Indian major carps
  - (b) Live feed
  - (c) Culture of Indian River Prawn
  - (d) Vitamin deficiency in fishes
  - (e) Hatchery systems for the Giant Freshwater Prawn
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