

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2012

BAQ-002 : FRESH WATER AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks, support your answers with well labelled diagrams wherever necessary.

1. What are the different components of a hatchery ? Mention the merits and demerits of different types of hatcheries. Discuss the constraints in running of commercial carp hatcheries. 20

2. (a) Discuss various aspects in the management of nursery ponds for carp culture. 10
(b) Differentiate between Indian carp and Chinese carp and draw well labelled diagrams. 10

3. Write the benefits of Integrated fish farming. Describe Seri-Fish integrated farming system. 20

4. Write the scientific names of any five ornamental fishes and describe their breeding habits. 20
5. Differentiate between magur and singhi. Describe the culture practices for catfish. 20
6. Describe various aspects involved in the culture of Giant fresh water prawn - *Macrobrachium rosenbergu*. 20
7. (a) Discuss good management practices used for fresh water prawn hatchery to prevent infections. 10
- (b) List any five vitamins and write their physiological functions and deficiency symptoms in fish. 10
8. Write short notes on *any four* of the followings : 4x5=20
- (a) Floating 'Hapa' Hatchery
 - (b) Sewage fed fisheries in India
 - (c) Problems associated with poultry
 - (d) Feed formulation for fish feed
 - (e) Pond preparation
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