

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2018

00275

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt *five* questions. Question no. 1 is **compulsory**. All questions carry equal marks.

1. (a) Define the following terms : 5×1=5
- (i) Biomass
 - (ii) Integrated Aquaculture
 - (iii) Eutrophic
 - (iv) Benthic
 - (v) Aquaranching
- (b) Differentiate between the following : 5×2=10
- (i) Pen culture and Cage culture
 - (ii) Oligotrophic and Dystrophic lake
 - (iii) Cycloid scale and Ctenoid scale
 - (iv) Chitin and Chitosan
 - (v) Rigor mortis and Autolysis
- (c) Expand the following : 5×1=5
- (i) BIS
 - (ii) IFTC
 - (iii) MPEDA
 - (iv) ISO
 - (v) FFDA

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- 2.** (a) Discuss the various factors that decide the choice of species for aquaculture. 10
- (b) What are the environmental impacts of aquaculture? 10
- 3.** (a) With the help of a diagram, illustrate the carbon cycle. 10
- (b) Describe the Benthic fauna of freshwater ecosystem. 10
- 4.** Give a detailed account of the various types of recreational aquaculture. 20
- 5.** (a) Describe the morphology and habitat of major carps (any three) as candidate species for freshwater aquaculture. 15
- (b) What are the various aspects for selection of suitable sites for a pond? 5
- 6.** (a) What are the various extension services in aquaculture? 10
- (b) Discuss freezing and canning as commercial methods of preservation of fish. 10
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