

No. of Printed Pages : 3

BAQ-001

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2020

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 Hours

Maximum Marks : 100

Note : Attempt *five* questions in all. Question number 1 is compulsory. All questions carry equal marks. Draw a well labelled diagram wherever required.

1. (a) Define the following : 1×5=5
- (i) Brackish Water
 - (ii) Potamon River zone
 - (iii) Phytoplankton
 - (iv) Net Primary productivity
 - (v) Semi-intensive level of aquaculture
- (b) Differentiate between the following : 5×2=10
- (i) Complete harvesting and Partial harvesting

- (ii) Fish glue and fish gelatin
 - (iii) Roe and Caviar
 - (iv) Oligotrophic and eutrophic lakes
 - (v) Littoral zone and limnetic zone
- (c) Expand the following : 5×1=5
- (i) LIFDC
 - (ii) EFA
 - (iii) PPM
 - (iv) NPNC
 - (v) HACCP
2. Describe harvesting of aquaculture ponds and fresh fish handling. 20
3. (a) Draw a flow chart for preparation of chitin and chitosan. 10
- (b) What are the uses and applications of chitin and chitosan ? 10
4. Describe the salient features of any **four** cat fishes. 20
5. What is integrated aquaculture ? Discuss its benefits. 20

[3]

6. Discuss the possible impacts of aquaculture on environment. 20
7. Describe the texture, profile and nutrients of soil for aquaculture. 20
8. Write short notes on any *two* of the following : 10 each
 - (a) Phytoplanktons
 - (b) Pen and Cage culture
 - (c) Maintaining ornamental fishes in Home Aquaria