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BAQ-001

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2023

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 Hours

Maximum Marks : 100

Note : Attempt **five** questions in all including Question No. 1 which is compulsory. All questions carry equal marks. Draw a well labelled diagram wherever required.

1. (a) Define the following terms : 1×5=5
- (i) Aquaculture
 - (ii) Pen culture
 - (iii) Thermal stratification
 - (iv) Epifauna
 - (v) Food web
- (b) Expand the following abbreviations : 1×5=5
- (i) CIFE
 - (ii) FAO

P. T. O.

(iii) CMFRI

(iv) FFDA

(v) MPEDA

(c) Differentiate between the following pairs of terms : 5×2=10

(i) Roe and Caviar

(ii) Rigor Mortis and Autolysis

(iii) Sewage fed and Integrated
Aquaculture

(iv) Surface soil and Subsoil

(v) Microbenthos and Meiobenthos

2. What are the different factors on which development of aquaculture depends ? Explain in detail. 20

3. (i) Describe any *three* basic concepts of productivity. 10

(ii) Describe the different methods of measuring primary productivity. 10

4. Discuss the different commercially used preservation methods for fish. 20

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5. Discuss the morphology of major carps which are candidate species for freshwater culture. 20
6. (i) Describe how home aquarium is prepared and maintained. 10
(ii) Explain the different water quality problems in pond aquaculture. 10
7. Explain the extension services in aquaculture available in India. 20