



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY
Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - IV

Subject : AQUACULTURE MANAGEMENT

Paper : C 8-T

Fundamentals of Biochemistry, Fish Nutrition and Feed Technology

Full Marks : 40

Time : 2 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

1. Answer any **four** of the following questions :

5×4=20

- What do you mean by natural and artificial fish feeds?
- Define lipid. Describe the significance of lipid.
- Describe briefly the feed formulation method.
- Give an account on the mechanism of enzyme action.
- Write note on : (i) FCR, (ii) PER.
- Give an account on the non-conventional fish feed ingredients used in aquafeed formulation.

P.T.O.

2. Answer any *two* of the following questions :

10×2=20

- (a) Define carbohydrate. Mention four functions of carbohydrates. Distinguish between reducing and non reducing sugars. 2+4+4
- (b) Describe different feeding devices. Add a note on feed additives. 5+5
- (c) Draw the general structure of amino acids. Classify lipids with examples. 3+7
- (d) What factors affect digestibility in fish. Add a note on nutritional deficiency diseases. 5+5
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