

**DIPLOMA IN FISH PRODUCTS
TECHNOLOGY (DFPT)**

Term-End Examination

**BPVI-044 : FISH BY-PRODUCTS AND WASTE
UTILIZATION**

Time : 2 Hours]

[Maximum Marks : 50

Note: Attempt any five questions.

All questions carry equal marks

1. Define wet reduction process for production of first meal. How does it differ from dry reduction process? Explain the wet reduction process with the help of a flowchart. 10

2. Describe the process of Chitosan production from crab shell waste with the help of a flow diagram. 10

3.
 - a. Describe the industrial application of fish body oils. 5

 - b. Describe the method of harvesting and drying



of seaweeds.

5

4. Name some speciality products which can be prepared from fish by-catch. Explain the process of production of fish soup powder. 3+7
5. What is fish silage? how does it differ from fish meal? Explain the process of preparation of acid fish silage. 2+2+6
6. What is isinglass? Explain its uses. 2+8
7. Explain the method of production of Sodium alginate. 10
8. Write short notes on any two: 2x5=10
 - (a) Ageing
 - (b) Nutraceuticals from fish skin
 - (c) Omega - 3 fish oil