

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

Term-End Examination

December, 2022

**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. (a) Draw a neat flowchart of wet reduction method of fish meal and oil production and briefly explain the process. 5
- (b) Describe the industrial applications of fish body oil. 5
2. (a) Name any two commercially important seaweeds. How are seaweeds harvested and dried ? 5
- (b) Describe the method of extraction and purification of agar. 5

3. (a) Describe the process for production of crab wafers with the help of a flowchart. 5
- (b) Describe the process of preparation of fermented fish silage. 5
4. Write short notes on any **two** of the following : $2 \times 5 = 10$
- (a) Uses of Isinglass
- (b) Sodium Alginate
- (c) Fish Noodles
5. (a) Define Nutraceuticals. 2
- (b) List the nutraceuticals prepared from finfish. Explain any one in detail. 3+5
6. Describe the method of preparation of fish pickle with the help of a flowchart. 10
7. (a) Describe the process of production of chitin from prawn shells. 5
- (b) Briefly explain the applications of chitin. 5
8. (a) Which are the types of fish that can be used for making fish soup powder ? 2
- (b) Describe the method of preparation of fish soup powder with the help of a flowchart. 8