

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

**Term-End Examination, 2019**

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

**Time : 2 Hours**

**Maximum Marks : 50**

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**Note : Answer any five questions. All questions carry equal marks.**

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1. (a) Explain the procedure for extraction of Chitin from crab shell waste. [5]
- (b) Explain the advantages and uses of fish silage. [5]
2. Name the nutraceuticals products which can be prepared/extracted from fish/shell fish and explain any one in detail. [3+7]
3. (a) Describe the methods used for digestion and solubilization of proteins of fish liver. [5]
- (b) Explain the composition and nutritive value of Fish meal. [5]



4. Draw the flow diagram for the following :
- (a) Fish Wafers [5]
- (b) NUOC Mam (Vietnam) [5]
5. Name the sea weeds from which agar is isolated. Describe the procedure for extraction and purification of Agar. [2+8]
6. Write short notes on **any two** : [2×5=10]
- (a) Uses of squalene
- (b) Fish meal in Animal Nutrition
- (c) Isinglass
7. Describe the technology used in production of Fish Noodles. [10]
8. Give the recipe and method of preparation of Fish Pickle with Tamarind. [10]

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