

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

00490

Term-End Examination

December, 2016

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

Time : 2 hours

Maximum Marks : 50

Note : (i) Attempt any five questions only.

(ii) All questions carry equal marks.

1. What are the raw materials required for production of fish meal and oil ? Describe the method of handling and preservation of raw materials for production of fish meal. 2+8=10

2. Write short notes on **any two** of the following : 2x5=10
 - (a) Composition and nutritive value of fish meal.
 - (b) Importance of fish meal in poultry and animal nutrition.
 - (c) Quality changes in fish meal during storage.

3. Define Isinglass. What are the raw materials required for its production ? Describe the different steps involved in the processing of raw materials for production of Isinglass. 1+2+7=10

4. Write short notes on **any two** of the following : **2x5=10**
- (a) Extraction and purification of Agar
 - (b) Preparation of Fish Flakes
 - (c) Preparation of crab soup powder
5. Give the recipe for preparation of Salmon Pickle. Describe the method of preparation, packaging, storage and ageing of Salmon Pickle. **3+7=10**
6. Define Chitin. What are the major sources of Chitin ? Describe the different applications of Chitin. **1+2+7=10**
7. (a) What are the characteristics of good quality fermented fish silage ? **5**
- (b) What are the advantages and disadvantages of fish silage in feeding of fishes and livestock ? **5**
8. Explain the different properties and applications of Chitin/Chitosan derivatives. **10**
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