

00237

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

Term-End Examination

December, 2017

**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.*

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1. Define any ten of the following : 1x10=10
- (a) Denaturation of protein
 - (b) Poly unsaturated fatty acids
 - (c) By-product
 - (d) Air Bladder
 - (e) Fish collagen
 - (f) Squalene
 - (g) Fish pickles
 - (h) Ageing
 - (i) Alginates
 - (j) Fish body oils
 - (k) Chitosan
 - (l) Beche-de-mer
2. (a) Explain the methods used in the extraction of fish-liver oils. 5
- (b) Describe the methods used for preserving fish liver. 5

3. Describe the process of production and preservation of fermented fish silage. 5+5=10
 4. What is isinglass ? Explain its production process. 2+8=10
 5. Explain the method of the production of fish meal from oil sardine. 10
 6. Describe the process of the production of Sodium-alginate with the help of a flow chart. 10
 7. Write short notes on **any two** of the following : 2x5=10
 - (a) Shark fin rays
 - (b) Fish soup powder
 - (c) Preparation of Salmon pickle
 8. (a) Describe the processes of extraction of chitosan from prawn shell with the help of flow chart. 5
(b) Describe any two applications of chitin. 5
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