

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

Term-End Examination

December, 2013

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

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions only. All questions carry equal marks.

1. Define any ten of the following : **10x1=10**
 - (a) Fish oil
 - (b) Squalene
 - (c) Fish maws
 - (d) Agar
 - (e) Sharkfin soup
 - (f) Stick water
 - (g) Cyclone Separator
 - (h) Ageing
 - (i) Fish flakes
 - (j) Fish Kure
 - (k) HTST Process
 - (l) Chitin

2. Explain the steps involved in production of fish meal in Dry Reduction method. **10**

3. Write short notes on **any two** of the following :
(a) Application of fish meal. 2x5=10
(b) Preparation of isinglass
(c) Beche-de-mer
4. (a) Describe the methods of extraction of Shark Fin Rays. 5
(b) What are the important applications of Agar ? 5
5. Write short notes on **any two** of the following :
(a) Preparation of fish sauce. 2x5=10
(b) Preparation of fish noodles using extraction process.
(c) Preparation of Fish Pickle with Tamarind.
6. Name two fishes used for preparation of the fish soup. Give a recipe for Fish Soup. Draw a flow chart indicating different steps involved in the preparation of soup powder. 10
7. (a) What are the quality problems in fish silage preparation using acid ? 5
(b) Differentiate between fermented silage and acid silage. 5
8. (a) Describe the preparation of chitin from Prawn shell waste. 5
(b) Give the important applications of chitin. 5
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