

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

Term-End Examination

June, 2014

**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) Press liquor
 - (b) Omega3- fattyacid
 - (c) Seaweeds
 - (d) Beche-de-mer.
 - (e) Sharkfin
 - (f) Airbladder of fish.
 - (g) Fermented silage
 - (h) Carrageenan.
 - (i) Fish silage
 - (j) Nutraceuticals

-
- (k) Squalene
- (l) Ageing
2. Explain the important quality parameters of fishmeal. what are the important uses of fishmeal? **10**
3. Write short notes on any two of use following **2x5=10**
- (a) Praparation of fish body Oil.
- (b) Steps involved in the Manufacture of the Isinglass.
- (c) Extraction of finrays from sharkfin.
4. (a) Describe the methods of extraction and purification of agar. **5**
- (b) What are the important applications of alginates? **5**
5. Write short notes of any two of the following : **2x5=10**
- (a) praparation fo fish wafers
- (b) Reccipe for prawn pickle
- (c) Prepration of fish noodles.

6. What are the raw materials and equipments used for preparation of fish soup powder? Draw the flow chart indicating the different steps involved in preparation of soup powder. 10
7. (a) How do you convert fish waste into useful by products? 5
- (b) Draw the flow chart indicating the different steps involved in separation of sharkskin. 5
8. Explain in detail the important pharmaceutical applications of chitosan. 10