

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

00891

**Term-End Examination
December, 2014**

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

Time : 2 hours

Maximum Marks : 50

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

1. Define any **ten** of the following : *10×1=10*
- (a) Poly-unsaturated fatty acids
 - (b) Pepsin digestibility
 - (c) Maillard reaction
 - (d) Limiting aminoacids
 - (e) Isinglass
 - (f) Bêche-de-mer
 - (g) Sodium alginate
 - (h) Chitosan
 - (i) Bio-active compounds
 - (j) Fermented fish silage
 - (k) Extrusion process
 - (l) Carrageenan

2. Explain the various steps involved in the extraction of chitin from prawn shell waste and its conversion to chitosan. 10
3. Describe the wet reduction method of fish meal production. 10
4. Write short answers on any **two** of the following: 2×5=10
- (a) Products from fish bone and cartilage
 - (b) Squalamine
 - (c) Fish air bladder
5. (a) Describe the method of production of fish silage. 5
- (b) Differentiate between fish silage and fish meal. 5
6. Explain the different applications of chitin and chitosan. 10
7. Name the important speciality products from fish. Explain the method of production of any two products. 10
8. Name the important commercially exploited sea-weeds and explain the method of production of any two products. 10
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