## DIPLOMA IN FISH PRODUCTS TECHNOLOGY (DFPT)

0824

## Term-End Examination June, 2012

## BPVI- 044 : FISH BY-PRODUCTS AND WASTE UTILIZATION (Theory)

Time: 2 hours

Maximum Marks: 50

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

**1.** Define *any ten* of the following terms :

10x1=10

- (a) Fish meal
- (b) Beche de -mer
- (c) Isinglass
- (d) Shark Fin
- (e) Squalene
- (f) Kelp
- (g) Algin
- (h) Fish sauce
- (i) HTST process
- (j) Ageing
- (k) Fish silage
- (l) Nutra centicals
- Explain the steps involved in production of Fish
  Meal. Draw a flow-chart of production of Fish
  Meal and Oil by Wet Reduction Method.

3. Write short notes on *any two* of the following: 2x5=10Industrial application of Fish Body Oils (a) (b) Steps involved in the manufacture of Isinglass Uses of shark fin and shark fin rays (c) 4. Explain the methods of harvesting sea (a) 5 weeds. (b) Describe the methods of extraction and 5 purification of Agar. 5. Write short notes on any two of the following: 2x5=10Preparation of Fish Soup Powder (a) (b) Advantages of Extrusion Process (c) Packaging and storage of Fish Pickles. What are the raw materials and equipments used 6. 10 in the preparation of fish flakes/wafers? Give its recipe. Draw the flow-chart indicating the different steps involved in preparation of cooked fish meat and flakes. 7. (a) Describe the method of preparation of Acid 5 Fish Silage. Draw the flow-chart indicating the different (b) 5 steps involved in separation of shark skin. 8. Explain in detail the different applications of 10 chitin and chitosan.