Question Bank

Fish Nutrition and Feed Technology

Part-A

Choose the correct answer

Q 1. The mathematical technique available to nutritionists for selecting the best combination of feed ingredients to formulate diets is

a) Quadratic programming b) Linear programming c) Best buy technique d) Peterson square method

Q 2. The major advantage of encapsulated diet is

a) Easy to consume b) Water quality is not spoiled c) Specified nutritional d) Easy to handle

Q 3. Anti-nutritional factors in plant protein sources can be destroyed by

a) Heat treatment b) Cold treatment c) Sun drying d) Chemical treatment

Q 4. The natural antioxidant used in the aqua feed is

a) BHA b) BHT c) Vitamin E d) Ethoxyquin

Q 5. The water stability of shrimp feed should be a minimum of

a) 30 min. b) 45 min. c) **2 hr** d) 5 hr.

<u>Part-B</u>

Fill in the blanks

- Q 1. The most powerful anti-nutritional factor in plant ingredients is ______. (Phytic acid)
- Q 2. The costliest commercial aquafeed is _____ feed. (Medicated)

Q 3. Moist feeds are suitable for _____. (Sea bass)

Q 4. The feed ingredient used as a binder in the feed formulation ______. (Tapioca flour)

Q 5. Feed intake can be increased by the addition of ______. (Attractants)

Part-C

State True or False

1.	Carotenoid pigment present in Yeast.	()	False
2.	Biological value in feed studies related to Nitrogen.	()	True
3.	n-3 fatty acids are rich in Freshwater fish.	()	False
4.	Limiting amino acids are Lysine & Methionine	()	True
5.	Digestion of protein and lipids is efficient in Herbivorous fishes.	()	False

<u>Part-D</u>

Match the Following

1	Bio enrichment	a	Phytic acid
2	Herbs in Aquafeed	b	Glycine & Leucine
3	Anti-nutritional factor	С	cataract
4	methionine deficiency	d	Immunity
5	Limiting amino acids	e	Live feed

Answer: 1-b, 2-d, 3-a, 4-e, 5-b

<u>Part-E</u>

Answer the following question

- 1. What do you mean by protein-sparing effect?
- 2. Define micro-encapsulated feed
- 3. Define feed additive. What are the types of feed additives and describe the role of additives in feed formulation briefly.
- 4. What is anti-nutritional feed
- 5. Define nutrient deficiency disease? What are the nutrient deficiency diseases describe briefly.