

2008

**AQUACULTURE MANAGEMENT &
TECHNOLOGY**

PAPER—AMT - 4001

Full Marks : 40

Time : 2 hours

Answer Q.No.1 and any three from the rest

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers whenever necessary

1. Write on any *five* of the following : 2 × 5

(a) What do you mean by 'twine' and 'yarn' ?

(b) Mention the materials used for fish packaging.

(c) What do you mean by Sinker ? Mention its role in fishing.

(d) What is Sonar ? Mention its application in fishing.

(Turn Over)

(e) Define MAP.

(f) What is Fish protein concentrate? Mention its use.

(g) What do you mean by Chitosan and state its use?

(h) Classify purse seines on the basis of target species.

2. (a) Discuss the different criteria of fish packaging materials.

(b) Enlist plastic packaging materials used in fish packaging.

(c) Discuss the toxicological aspects of packaging materials on fish products. 4 + 3 + 3

3. (a) What are the differences between traditional and mechanical vessels?

(b) Enlist different Craft design materials commonly used in India.

(c) Add a note on marine fouling and control measures. 3 + 3 + 4

4. (a) What do you mean by Trawl net ?
- (b) Classify different types of Trawl nets.
- (c) Add a note on Gill net design and its application in fishing. 2 + 4 + 4
5. (a) Define fish by products.
- (b) Enlist different types of fish by products produced and used in India.
- (c) Discuss the process of fish liver oil extraction.
- (d) Add a note on Isinglass. $1\frac{1}{2} + 2\frac{1}{2} + 3\frac{1}{2} + 2\frac{1}{2}$
6. Write short notes on any *two* of the following : 5 × 2
- (i) TED
- (ii) Local fishing methods of Paschim Medinipore district
- (iii) Preservation of gears
- (iv) Biofuel from fish.