2008

M.Sc.

1st Semester Examination

AQUACULTURE MANAGEMENT & TECHNOLOGY

PAPER—AMT-1002

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

(Saline water fisheries resource diversity conservation, management & Remote Sensing Technology)

1. Write in brief (any *four*) : 2×4

(a) What do you mean by "Bhasabandha" fishery?

(b) What is upwelling?

(c) What do you mean by mariculture?

(d) Mention the scientific and common names of marine turtles found in Indian sea.

(e) Enumerate the zonation of sea.

(f) PFZ scheme of remote sensing.

(g) Fish catching methods of Chilika Lake.

(h) What are the important backwater resources of India?

2. Write notes on any *four* of the following : 4×4

(a) Recommendations of the review committee on Deep Sea Fishing Policy.

(b) Fisheries resource management in Chilika lake.

(c) Application of Remote sensing in coastal fisheries management in India.

(d) West Coast is more productive than East Coast.
(e) Prospects of molluscan fishery in Indian Ocean.
(f) Impact of aquatic pollution on fish faunal resources.
(g) Steps for increasing marine fish production.
(h) What are the important anthropogenic activities affecting fisheries?

3. Answer any *two* of the following : 8×2

(a) (i) What is an estuary? Enlist major estuaries in India.
(ii) Discuss the fisheries resource potential of Hooghly-Matlah estuary.
(iii) Write a note on conservation of estuarine fisheries resources.

$2\frac{1}{2}+3+2\frac{1}{2}$

(b) (i) What do you mean by inshore and offshore fishery?
(ii) Discuss the prospects of marine fishery resources in India.
(iii) Write a note on Sardine fishery in India.

$2+3\frac{1}{2}+2\frac{1}{2}$

(c) (i) What do you mean by 'Endangered' and 'Threatened' fish species.
(ii) Enlist the 'Threatened' fish species found in West Bengal.
(iii) Write a note on conservation techniques for 'Endangered' fish stock enhancement in India.

$2+2\frac{1}{2}+3\frac{1}{2}$

(d) (i) Give an account on distribution, biology, production trends and means of exploitation of Indian mackerel.
(ii) Write a note on the prospects of pelagic fishery in India. 5+3

———