2011

M.Sc.

1st Semester Examination

AQUACULTURE MANAGEMENT & TECHNOLOGY

PAPER—AMT-102

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. Answer *four* of the following : 2×4

a) Mention the scientific name of two lobster and two crab species found in Bay of Bengal.

b) What do you mean by Anthropogenic activity ?

c) Name two IRS Satellites which are used for fisheries

resource identification in India. What is the full form of NOOA?

d) Define Continental Shelf.

e) What do you mean by Sea ranching?

f) Give an idea about organic aquaculture.

g) Define nautical mile.

h) Give an idea about Indian EEZ.

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

a) State the problems of deep sea fishing in India.

b) Pollution and their impact on aquatic resources. — Explain.

c) West Coast is more productive than East Coast. — Justify.

d) Enlist the fisheries resources of Pulicut Lake.

e) Tuna fishery in India — problems and prospects.

f) Conservation strategies and management of marine fishery resources in India.

g) 'Bhery' fishery in West Bengal.

h) PFZ scheme of Remote Sensing Technology for marine fisheries identification.

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

a) i) What is an estuary? Enlist the major estuaries in India.

ii) Discuss on the fisheries resources of Hooghly-Matlah estuary. 4+4

b) i) Enlist the important fisheries resources of Chilika lagoon.

ii) Discuss about the management problems of Chilika lagoon fishery resources.

iii) Add a note on the role of Chilika Development Authority.

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

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 strategies 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 and Bombayduck.

ii) Write an note on the prospects of offshore fishery in India.

5+3
