2013

M.Sc.

1st Semester Examination

AQUACULTURE MANAGEMENT & TECHNOLOGY

PAPER—AMT-101

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.

(Freshwater Fisheries Resource Diversity)

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

(a) What do you mean by 'River ranching programme' ?

(b) What is the current fish production (in million tone) of world, India and West Bengal ?

(c) Mention the name of two reservoirs from each state-Jharkhand and Madhya Pradesh.

(d) Name the important rivers of West-Cost river system.

(e) State the objectives of the 'Ganga Action Plan'.

(f) Write a short note on cage culture.

(g) Mention the ecological adaptation shown by cold water fish species.

(h) Write a short note on stomatopod fishery of India.

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

(a) Give an account of the crafts and gears used in riverine fisheries.

(b) Write a note on stock enhancement in reservoirs.

(c) How will you estimate the fish yield potential of a reservoir ?

(d) What are the chief mode of origin of lakes ?

(e) Name the Indian Cold water Fish species (at least two from each group).

(f) Briefly write on Mahaseer Fishery of India.

(g) Write a note on Whelk Fishery of India.

(h) Briefly discuss the status of penaeid shrimp fishery in India.

3. Answer *two* of the following: 8×2

(a) Enumerate the present status of riverine fishery in India. What are the possible factors responsible for declining riverine fish yield?

5+3

(b) Give an account of present status and prospects of sports fisheries in India. Enlist six principal cold water fish species having sport value.

5+3

(c) Distinguish between 'oligotrophic' and 'entrophic' lake. Which one is more productive between 'tropical' and 'temperate' lakes? Explain with reasons.

4+4

(d) Write the name of four important ornamental gastropods. Give an account on Chank fishery in India.

2+6

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