

M.Sc. 1st Semester Examination, 2012

AQUACULTURE MANAGEMENT & TECH.

(Freshwater Fisheries Resource Diversity)

PAPER—AMT-101

Full Marks : 40

Time : 2 hours

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 wherever necessary

1. Answer any *four* of the following : 2 × 4
- (a) Name two important reservoirs present in West Bengal. 2
- (b) What are the mode of origin of lakes ? 2
- (c) Write names of two freshwater gastropod and two bivalves. 2
- (d) Point out the difference between pond and lake. 2

(Turn Over)

- (e) Mention four indigenous Mahaseer species. 2
- (f) Enlist four commercially important penacid shrimp from Indian water. 2
- (g) What are the major river systems in India ? 2
- (h) Write the characteristics of cold water stream. 2
2. Answer any *four* of the following : 4 × 4
- (a) Write down the modern classification of lakes. 4
- (b) Enlist the principal coldwater fish species of India. 4
- (c) Write a note on Beel fishery of West Bengal. 4
- (d) Write a note on present status of pearl fishery in India. 4
- (e) Briefly discuss the lobster fishery in India. 4
- (f) Point out the ecological adaptation shown by cold water fish species. 4
- (g) What do you mean by invasive fish species ? How they are become a serious threat to indigenous Ichthyo-faunal stocks ? 2 + 2

(h) Briefly discuss about the fisheries of Ganga river system. 4

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

(a) Give an account on Inland fishery resources of India. Mention the status of current fish production from different resources. (W) 4 + 4

(b) Briefly discuss the Ichthyo-faunal diversity in cold water of India. Add a note on status and prospects of trout fishery. 4 + 4

(c) Briefly illustrate the reservoir fishery in India. Specify the possible management practices for the enhancement of its fishery. 4 + 4

(d) Write brief note on : 4 + 4

(i) Factors responsible for declining riverine fisheries

(ii) State the management practices to be adopted to check the impact of 'invasive species'.