



2019

B. Sc. Major

2nd Semester Examination

INDUSTRIAL FISH AND FISHERIES

Paper—C4T

Aquaculture Practices

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer in brief any *five* of the following questions : 5×2=10
- (a) What is aquascaping ?
 - (b) Write down the feeding habit and habitat of *Lates calcarifer*.
 - (c) What is mariculture ?
 - (d) State about 'Pokkali' fish culture.
 - (e) Name four aquatic ornamental plants used in aquarium.

[Turn Over]

- (f) State about detritus food chain. Draw a detritus food chain in aquatic ecosystem.
- (g) Give scientific name of two marine ornamental fishes.
- (h) What do you mean by air-breathing fish ? Give two examples.

2. Answer any *four* questions from the following :
4×5

- (a) Discuss about the polyculture of carps.
- (b) Classification of ornamental fishes on the basis of their breeding habit.
- (c) Give an idea about super intensive aquaculture.
- (d) State about usefulness of supplementary feeding in aquaculture.
- (e) Give an idea about paddy cum fish culture.
- (f) Discuss about integrated aquaculture.

3. Answer any *one* question from the following :
1×10

- (a) (i) Discuss about the management practices of rearing pond for shrimp farming.

(3)

(ii) Mention the selection criteria of a candidate species for aquaculture.

(iii) Add a note on pen culture. 5+2+3

(b) (i) State the importance of live feed in aquaculture.

(ii) Discuss the biology of *Penaeus monodon*.

(iii) Add a note on transport of ornamental fish. $2\frac{1}{2}+4\frac{1}{2}+3$

