

6. Answer any one question of the following questions :

1×8

(a) (i) Enlist the name of brackishwater cultivable Species in Indian brackishwater ;

(ii) Discuss about culture technique of *Penaeus monodon* in West Bengal's coastal region. ;

(iii) Add a note on problem of brackishwater aquaculture. 2+4+2

(b) (i) Enlist the name of four Seaweed available in Indian Ocean.

(ii) Discuss about the marine farming of Seaweed.

(iii) Add a note on problems of mariculture in India.

2+4+2

[Internal Assessment : 10 Marks]

Unit-II**(Saline water Aquaculture)**

4. Answer any *two* of the following questions : 2×2
- (a) Define CRZ. Mention its different zones.
 - (b) Enlist the factors responsible for quality pearl production in marine environment.
 - (c) What is backwater? How is it used for culture?
 - (d) Write the scientific name of one each : Snapper, breams, lobster, grouper.
5. Answer any *two* of the following questions : 2×4
- (a) Write a note on the Captive breeding and status of seed production of seabass.
 - (b) Enumerate the specific role of CMFRI for Mariculture development in India.
 - (c) Discuss about the scope of brackishwater aquaculture in revenue earning.
 - (d) How Coastal Aquaculture Authority of India are involved for development of coastal aquaculture?

- (b) Write scientific name of two live bearer ornamental fishes.
- (c) What is Intergrated Multi Trophic Aquaculture (IMTA) ?
- (d) Indicate bio-fouling mechanism.

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

- (a) Briefly explain different tips for proper maintainance of home aquaria.
- (b) Mention the advantages and disadvantages of cage culture.
- (c) Briefly explain the pre-stocking pond management.
- (d) Elucidate the present status and future prospects of ornamental fish culture.

3. Answer any *one* of the following : 1×8

- (a) What is live fish food ? Briefly explain the culture procedure of *Artemia* Sp. State the advantages over artificial or complete food. $2+4\frac{1}{2}+1\frac{1}{2}$
- (b) Differentiate between Mulletts and Murrels. Give an account on the breeding and culture process of any one Murrels. Add a note on the advantages of Murrel culture. 2+4+2

2016

M.Sc.

3rd Semester Examination

FISHERIES SCIENCE

PAPER—FSC-304

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.

Unit-I

(Fresh water Aquaculture)

1. Answer in brief any two of the following : 2×2

(a) What is Polyculture? How is it differ from mixed culture?

(Turn Over)