

OLD
Part-III 3-Tier
2017
AQUACULTURE MANAGEMENT
(Honours)
PAPER—VII
(PRACTICAL)

Full Marks : 100

Time : 6 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.

Answer all questions.

1. Dissect and display the pituitary gland from a provided fish specimen.

Draw a labelled diagram of your sample.

(8+2)+(3+2)

2. Identify the provided specimen mentioning their systematic position and specimen characters :

- | | |
|-----------------------------|-----|
| (a) Two predatory fishes ; | 2×3 |
| (b) Two ornamental fishes ; | 2×3 |
| (c) Two benthos ; | 2×3 |

(Turn Over)

- (d) Two Mollusca ; 2×3
(e) Two crustaceans ; 2×3
(f) Two aquatic weeds ; 2×3

3. Stain the supplied sample and identify gram +ve and gram - ve bacteria. Write down the principle, protocol and draw inference based on your findings.

$$6+1\frac{1}{2}+1\frac{1}{2}+1$$

Or

Prepare a Culture Media and isolate the Microbial strain from the provided specimen. 10

4. Draw and design of a home aquarium and write down the procedure to be followed. 5

Or

Submission of personally prepared home aquarium. 5

5. Prepare a standard curve of Bovine Serum Albumin (BSA) for protein estimation. 10
6. Submission of field report. 5
7. Submission of Laboratory Note Book. 9
8. Viva-voce. 10