

NEW

Part II 3-Tier

2017

AQUACULTURE MANAGEMENT

(Honours)

PAPER—V

(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 Urinogenital System / Nervous System / Digestive System of provided fish specimen (included in syllabus) and Draw a labelled diagram. 12

[Dissection — 7, Display — 2,

Drawing — 2, Labelling — 1]

(Turn Over)

2. Dissect and display the Digestive / Nervous / Reproductive System of provided Cephalopods / Bivalves and Draw a labelled diagram. 12

[Dissection — 7, Display — 2,
Drawing — 2, Labelling — 1]

3. Identify the provided specimen mentioning Systematic position (Vertebrate – upto order and Invertebrate – upto sub-class), Specimen Characters & Scientific name of Specimen.

(a) 4 fresh water fin fishes (*different order*). 4×3

(b) 3 Brackish / Marine water fin fishes (*different order*).
3×3

(c) 3 fresh water / brackish water shell fishes. 3×3

[Systematic Position — 1, Specimen Character — $1\frac{1}{2}$,

Scientific Name — $\frac{1}{2}$]

4. Estimate the fecundity from the provided fish specimen. Comment on your result. 10

[Estimation — 7, Comment — 3]

Or

Study the Gastroscopic Index and relative gut length from the provided Specimen. 10

[Gastronomic Index — 3, Relative Gut Length — 4,
Comment — 3]

5. Submission of 3 fin fish/shell fish specimen with preserved condition with labelling collected from different aquatic habitat. 3×2

Or

Submission of Endoskeleton of fish. 6

Or

Submission of model related with Crafts / gear. 6

6. Submission of field report on 'Fish Landing Centre visit'. 10

Or

Submission of Survey report on field Survey relating to Crafts / gear / fish market. 10

7. Submission of Laboratory Note Book. 10

8. Viva-voce. 10