NEW

Part II 3-Tier

2018

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 / Digestive System / Nervous System of provided fish specimen (as per the syllabus) and Draw a labelled diagram. 12

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

2. Dissect and display the Nervous / Reproductive / Digestive System of provided Bivalves / Cephalopods 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 Saline water fin fishes 3×3

(c) 3 fresh water / saline water shell fishes (*different order*). 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 Gastrosomatic 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 to Crafts / gear. 6

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

Or

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

7. Submission of Laboratory Note Book. 10

8. Viva-voce. 10

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