2019

Part – II

AQUACULTURE MANAGEMENT

(Honours)

Paper – V

(Practical)

Full Marks – 100

Time :6 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Dissect and display the Urinogenital System / Digestive System / Nervous System of provided fish specimen. Draw a labelled diagram of your dissection. 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 of your dissection. 12

(Dissection–7, Display–2
Drawing–2, Labelling–1)

3. Identify the provided specimen with their type characters (vertebrate up to order and invertebrate up to sub class) :

(a) 4 Freshwater fin-fishes (different order) 4×3

(b) 3 Saline water fin-fishes 3×3

(c) 2 Shell fishes (any) 3×3

[Specimen character – 1½, Systematic position –1, Scientific name – ½]

4. Estimate the fecundity from the provided fish specimen and comment on your result. 7+3

Or

Study the Gastrosomatic Index and Relative gut length from the provided fish specimen. Comment on your result. 10

[Gastrosomatic Index – 3, Relative gut length – 4, Comment – 3]

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

Or

Submission of fish endoskeleton. 6

Or

Submission of model delated to crafts / gears. 6

6. Submission of field report on 'fish landing centre visit'. 10

Or

Submission of survey report related to fish market/ crafts/gear.

7. Submission of Laboratory note book. 10

8. Viva-Voce. 10