

(iii) Discuss Law of priority.

(iv) Mention certain important characteristics of crustacea. Give two examples.

(v) Write order name of Torpedo. State its important characters. $2 + 2 + 2 + 2 + 2$

2017

AQUACULTURE MANAGEMENT

[Honours]

(CBCS)

[First Semester]

PAPER — CIT

Full Marks : 40

Time : 2 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*

Illustrate the answers wherever necessary

1. Answer briefly any five of the following questions : 2×5

(a) Write down important characteristics of a typical vertebrae of a fish.

(b) Who is regarded as the father of Taxonomy ?
Write name of one book written by him.

(c) What is pyloric caeca ? State its function.

(d) Name (common and scientific) four commercially important mollusc available in India.

(e) Define gill raker of a fish with diagram.

(f) What is tagging ? Mention its significance.

(g) Define Gonado Somatic Index (GSI). State its importance.

(h) What is phylogenetic tree ? State its usefulness

2. Answer any *four* questions from the following :

(a) Discuss the morphometric and meristic characteristics of a fish. 5×4

(b) How to study the growth of a fish using scale and otolith ?

(c) State about the life cycle of *Penaeus monodon*.

(d) Describe the accessory respiratory organ (ARO) of *Anabas testudineus*.

(e) Define fecundity. How to estimate the total fecundity of a fish ?

(f) Discuss about food and feeding habit of Indian major carps.

3. Answer any *one* questions of the following :

(a) (i) Why fish heart is called venous heart ? 10×1

(ii) Discuss in detail the efferent arterial system of any teleost fish.

(iii) State about the respiratory system of *Macrobrachium rosenbergii*. $2 + 4 + 4$

(b) (i) Define binomial nomenclature.

(ii) State holotype and paratype with example.