

2017**M.Sc. 2nd Semester Examination****FISHERIES SCIENCE****PAPER—FSC-204***Full Marks : 40**Time : 2 Hours**The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.**Illustrate the answers wherever necessary.***Unit—I***(Fundamentals of Fisheries Science)*

1. Write brief note on any two of the following : 2×2
- (a) Define homocercal and heterocercal tail of fish with example.
- (b) What is Pokkali fish culture ?

(Turn Over)

- (c) State the Exclusive Economic Zone of India.
- (d) State the characters of order siluriformes. Mention two examples.

2. Answer any *two* questions from the following : 2×4

- (a) Briefly narrate the scope of aquaculture in India.
- (b) Briefly discuss on aquatic resources of India.
- (c) Differentiate osteichthyes from condrichthyes.
- (d) Discuss the benefit of aquaculture from human perspective.

3. Answer any *one* question from the following : 1×8

- (a) (i) Discuss about the morphometric and meristics characteristics of fishes.

(ii) Give an idea on dipnoan fishes.

(iii) Add a note on fish as a living fossil. 4+2+2

(b) (i) Briefly explain the origin of aquaculture.

(ii) Write a note on the causes of declining trend of riverine fish stock.

(iii) Add a note on habitat diversity of fishes.

3+3+2

Unit—II**(Aquaculture Management)**

4. Answer *two* questions from the following : 2×2
- (a) What is cage culture ?
 - (b) Write a brief note on Rice-fish culture.
 - (c) What do you mean by exotic ornamental fish ? Cite two examples with their common name and scientific name.
 - (d) Define intensive aquaculture.
5. Answer *two* questions from the following : 4×2
- (a) Briefly narrate the advantages of pen culture.
 - (b) Write a note on sports fishery in India.
 - (c) How to make a home aquarium ?
 - (d) Briefly discuss on composite fish culture.
6. Answer any *one* question from the following : 1×8
- (a) (i) What is Ovoviriparous ornamental fish ? Cite an example.
 - (ii) What is the advantages of race-way culture ?
 - (iii) Add a note on sewage-fed fish culture.

2+3+3

- (b) (i) What is aquariculture ?
- (ii) Enlist different components require for home aquarium decoration.
- (iii) Add a note on pre-stocking pond management.

$$1\frac{1}{2} + 3\frac{1}{2} + 3$$
