

Reg. No

Name

M. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER 1 : AQUACULTURE AND FISH PROCESSING****COURSE : 16P1AQCT01 : TAXONOMY AND BIOLOGY OF COMMERCIAL AND CULTIVABLE FIN FISH AND SHELL FISHES***(For Regular - 2019 Admission and Supplementary - 2016/2017/2018 Admissions)*

Time : Three Hours

Max. Marks: 75

Section A**Answer any 8 (2 marks each)**

1. Name four genera of commercially important penaeid prawn.
2. Describe the structure and function of claspers.
3. Distinguish between elasmobranch and teleost gills.
4. Scientific name of any four bivalves.
5. Write the scientific name of state fish of Kerala. Classify it.
6. What are the informations besides measurements are required while describing a new species.
7. List out the larval stages of shrimps.
8. Mention the different stages of moulting
9. What is Index of preponderance.
10. Describe the air bladder of fin fish
11. Describe Adenohypophysis
12. Which area is known as Gulf of Mannar

(2 x 8 = 16)

Section B**Answer any 7 (5 marks each)**

13. Explain different types of tails in fishes.
14. Distinguish between sharks and rays.
15. Write down important characters of the Family Cichlidae
16. Explain about Family Exocoetidae and Anabantidae.
17. Write the taxonomic features of the Order Pleuronectiformes.
18. Explain on feeding adaptations in fishes
19. Explain different stages of ovarian maturation in shrimp
20. Accessory respiratory organs found in catfishes.
21. What is detritus food chain in aquatic ecosystems
22. Explain gut content analysis of fishes by numerical methods.

(5 x 7 = 35)

Section C
Answer any 2 (12 marks each)

23. Write an essay on the systematics of commercially available Lobsters in India.
24. Neuroendocrine system in prawns
25. Write an essay on hormonal control of sexual reproduction in crustaceans.
26. Write an essay on climate in relation to fisheries in Indian coast

(12 x 2 = 24)