Reg. No ..... Name **20P1009**

M. Sc DEGREE END SEMESTER EXAMINATION - OCT. 2020 : FEBRUARY 2021

SEMESTER 1 : AQUACULTURE AND FISH PROCESSING

COURSE : **16P1AQCT01 : TAXONOMY AND BIOLOGY OF COMMERCIAL AND CULTIVABLE FIN FISH AND SHELL FISHES**

(For Regular - 2020 Admission and Supplementary - 2016/2017/2018/2019 Admissions)

Time : Three Hours Max. Marks: 75

PART A

Answer any 8 (2 marks each)

1. Distinguishing features of Order Clupeiformes
2. List the body shapes in fishes
3. List the different types of teeth in fishes
4. Distinguish euryhaline and stenohaline fishes.
5. Distinguish between median fins and paired fins.
6. Define a polytypic genus
7. Explain the different layers of exoskeleton in crustaceans.
8. Define apolysis
9. What is Labyrinthine organ?
10. Distinguish between Isometric and Allometric growth.
11. Discuss on the classification of feeding habit according to Nikolskii
12. Define mud banks.

(2 x 8 = 16)

PART B

Answer any 7 (5 marks each)

13. Distinguish between Malacopterygians and Acanthopterygians
14. Analyse modification of scales.
15. Assess on the family Scomberomoridae
16. Interpret on the important characters of the family under which seer fishes are included
17. Distinguish the different types of fins in fishes and its importance in the identification of fishes.
18. Discuss about digestive system in Crustacea
19. Distinguish between plankton and nekton. Add a note on classification of plankton on the basis of size.
20. Explain the fecundity estimation in fin fishes
21. Discuss about breeding migration in prawns.
22. Discuss the features and functions of hepatopancreas of prawn.

(5 x 7 = 35)

PART C

Answer any 2 (12 marks each)

23. Catogorise on the classification of the cartilaginous fishes
24. Discuss the methods used to determine the fecundity of fishes
25. Discuss on mechanism of osmoregulation in marine and freshwater fishes.
26. Discuss on the relationship between water currents and fishery in Indian coast

(12 x 2 = 24)