

Reg. No

Name

22P1010

M. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022

SEMESTER 1 : AQUACULTURE AND FISH PROCESSING

COURSE : 21P1AQCT01 : TAXONOMY AND BIOLOGY OF COMMERCIAL AND CULTIVABLE FIN FISH AND SHELL FISHES

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Sketch and label a placoid scale. (A)
2. Distinguishing features of Order Clupeiformes (An)
3. Give the scientific names of any four commercially important crabs in India. (R)
4. Define a polytypic genus (R)
5. Outline the informations besides measurements are required while describing a new species. (U)
6. Explain Condition factor. (U)
7. Define haemocyanin (R)
8. What is the functional importance of neuromast organ? (R)
9. Define Weberian ossicles (R)
10. Define Parr. (U)

(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. Discuss the morphology of a typical lobster with a suitable diagram. (E)
12. Distinguish the different types of fins in fishes and its importance in the identification of fishes. (An)
13. What is meant by size at first maturity? Give an account of various maturity stages of fishes. (R)
14. Explain the fecundity estimation in fin fishes (U)
15. Explain the food and feeding in bivalves (U)
16. Briefly discuss about coramandal coast (E)
17. Define mud banks. Explain its formation and impact on the fisheries along the coast of Kerala (U)
18. Design branchial formulas for freshwater prawn and shrimp. (Cr)

(2 x 6 = 12)

PART C

Answer any 2 questions

Weights: 5

19. Discuss on the different types of fins and scales in fishes. (Cr)
20. Categorise on the classification of the cartilaginous fishes (An)

21. Explain the structure and function of respiratory system and accessory respiratory organs in fin fishes (U)
22. Discuss on food and feeding habits of fishes (Cr)
- (5 x 2 = 10)**

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
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Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;