

D 94178

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2020

Fish Processing Technology

GEC1PH01—FISH PHYSIOLOGY AND TAXONOMY

Time : Three Hours

Maximum : 80 Marks

Section A*Answer all questions.*

1. The system of classification employing phylogenetic hypothesis is called _____.
2. Sucking mouth and rasping tongue is present in _____.
3. The major osmoregulatory organ in fishes is _____.
4. Elasmobranchs remove sodium chloride through _____.
5. _____ is a blood vascular network.
6. Oxygenation takes place and blood is collected by _____ vessels.
7. One of the most variable, yet important character used in the species description is _____.
8. Teeth is absent in _____ fishes
9. Function of gall bladder is _____.
10. _____ protects gill slits in bony fishes.

(10 × 1 = 10 marks)

Section B*Answer any eight questions.*

11. Oogenesis.
12. Isosmolarity.
13. Spawning.
14. Hemoglobin.
15. Hermaphroditism.
16. Viviparity.
17. Lateral line.
18. Ponderal index.
19. Gastric glands.

Turn over

20. Chloride shift.
21. Types of reproduction found in fishes.
22. Innervation of gills.

(8 × 2 = 16 marks)

Section C

Answer any **six** questions.

23. Respiration in teleost fishes.
24. Spermatogenesis in fishes.
25. Constituents of fish blood.
26. Write the scientific and common name of *four* marine fishes.
27. With the help of an illustration explain the digestive system in a prawn.
28. Structure of heart in fishes.
29. Digestive system in teleost fishes.
30. Write a note on endocrine glands.
31. Explain Metabolism.

(6 × 4 = 24 marks)

Section D

Answer any **two** questions.

32. Endocrine control of moulting and reproduction in crustaceans.
33. Differentiate the different circulatory system in fishes with illustrations.
34. What are the adaptations of air breathing fishes ?
35. Discuss the process of excretion and osmoregulation in fishes.

(2 × 15 = 30 marks)