

MES ASMABI COLLEGE, P. VEMBALLUR
INTERNAL EXAMINATION, FEBRUARY 2021
FIRST SEMESTER B Sc AQUACULTURE
AQC1 B01 – BIOLOGY OF FISHES

TIME: TWO HOURS

MAXIMUM: 50 MARKS

Section A (Short Answer Type Questions)

*Answer any **TEN** questions. Each question carries **2 marks**.*

1. Give classification of fishes till class.
2. Type of scale in elasmobranchs.
3. Discuss about the sexuality in fishes.
4. How do you classify fishes according to feeding habit?
5. What is bioluminescence?
6. Intestinal caecae and its function.
7. Conus and bulbous arteriosus.
8. Pillar cells and its function.
9. Co-current and counter current system.
10. Sinus venosus in fish.
11. Goblet cells
12. Branchial heart
13. Secondary lamellae
14. Chloride shift

(10 x 2 = 20 marks)

Section B (Paragraph Type Questions)

*Answer any **FIVE** questions. Each question carries **4 marks**.*

15. How do you determine age of fishes?
16. What are the factors affecting reproduction of fish?
17. Describe the layers of skin in fishes.
18. What is Gut content analysis?
19. Accessory respiratory organs in fishes and justify such adaptation.
20. Structure and function of chambers in fish heart.
21. Digestion of carbohydrates, protein and fat / lipid in fishes.

(5 x 4 = 20 marks)


Section C (Essay Type Questions)

*Answer any **ONE** question. The question carries **10 marks**.*

22. What are the different sense organs present in fishes?
23. Describe respiratory system and respiration in fishes.

(1 x 10 = 10 marks)




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