

April 2025
B.A./B.Sc.
Sixth Semester
DISCIPLINE SPECIFIC ELECTIVE – 3
ZOOLOGY
Course Code: ZOD 6.11
(Fish & Fisheries)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Describe the classification of fishes based on feeding habits and reproduction. 14
2. Give an account on the systematic position of fish. Add a note on its general features. 10+4=14

UNIT-II

3. What are fins? How do fins help in the locomotion of fish? Briefly describe the mechanism of locomotion in fishes. 2+6+6=14
4. Write a note each on the following: 7×2=14
 - (a) Swim bladder and its role in buoyancy
 - (b) Electric organs

UNIT-III

5. Explain in detail the cause of depletion of fisheries resources in India. Give some remedial measures to conserve aquatic resources. 10+4=14
6. Describe the significance of remote sensing and GIS in fisheries. 14

UNIT-IV

7. Describe the management strategies of hatcheries and brood stock. 14

8. What are the different types of fish diseases? Explain their control measures. 10+4=14

UNIT-V

9. What is induced breeding? Explain the procedures involved. Add a note on the challenges and advantages of induced breeding in fish. 2+6+6=14
10. What are transgenic fishes? How does it help in genetic research and what are the advantages of using zebra fish as a model animal? 2+12=14
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