

2023
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 habitat and reproduction. 7+7=14
2. Give an account on the general description of fish. 14

UNIT-II

3. Define buoyancy. Explain the mechanism of osmoregulation in elasmobranchs. 2+12=14
4. (a) Explain the various types of reproductive strategies adopted by fishes. 7
(b) Explain the various types of fish migration with examples. 7

UNIT-III

5. Elaborate the various types of fishing gears and crafts with appropriate diagrams. 14
6. Explain the marine fishery resources of India. Add a note on EEZ of India. 10+4=14

UNIT-IV

7. Elucidate the various types of fish diseases and their control measures. 14

8. Describe polyculture fish farming. State the advantages and drawbacks of polyculture. 9+5=14

UNIT-V

9. Define induced breeding. Explain the procedure involved in induced breeding. What are the advantages of induced breeding in fish? 2+9+3=14
10. Define transgenic fish. Explain the various application of transgenic fish in genetic research. What are the advantages of using zebra fish as a model animal? 2+8+4=14
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