

2022
B.A./B.Sc.
Sixth Semester
DISCIPLINE SPECIFIC ELECTIVE – 3
ZOOLOGY
Course Code: ZOD 6.11
(Fish & Fisheries)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Give the general characters of fish and classify upto classes with examples. 14
2. Describe the classification of fishes based on feeding habits. 14

UNIT-II

3. With labeled diagrams explain the various types of fins. Add a note on how scales are used to determined the age of fish. 9+5=14
4. (a) Explain the mechanism of gas exchange in fishes. 9
(b) Discuss the role of swim bladder. 5

UNIT-III

5. Explain the inland fishery resources of India. 14
6. (a) What are the major reasons for depletion of fishery resources? 6
(b) Discuss the application of remote sensing and GIS in fishery science. 8

UNIT-IV

7. (a) Define sustainable aquaculture. 2
(b) Explain extensive and intensive culture of fish. 12
8. (a) Explain the role of water quality in aquaculture. 8
(b) Describe how finfish hatcheries are managed. 6

UNIT-V

9. Explain how harvested fish are preserved and processed. 14
10. What is transgenic fish? Explain why zebra fish is used as a model organism in research. 2+12=14
