

**2022**  
**M.Sc.**  
**Fourth Semester**  
DISCIPLINE SPECIFIC ELECTIVE – 03  
**ZOOLOGY**  
*Course Code: MZOD 4.11 (B)*  
(Fish Biology – II)

*Total Mark: 70*

*Pass Mark: 28*

*Time: 3 hours*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. Discuss cold water fish and fisheries of India. 14
2. Describe the coastal fisheries of India. 14

**UNIT-II**

3. Discuss the various methods of fish preservation. 14
4. Explain the various types of by-products of fish and their uses. 14

**UNIT-III**

5. Define aquaculture and enumerate its different types. 2+12=14
6. Give an account of induced breeding and indicate its importance. 14

**UNIT-IV**

7. Discuss the nutritional requirements of fishes. Add a note on the steps involved in feed formulation. 9+5=14
8. Discuss the importance of live feed and artificial feed. 14

## UNIT-V

9. Describe the various types of fish diseases, symptoms and prophylaxis. 14
10. Explain the methods for isolation and identification of fungi. Add a note on biological indicators. 9+5=14
-