



QP CODE: 26019290



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL800403 - FISHERY SCIENCE AND TECHNOLOGY

2019 Admission Onwards

12B62DC2

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Which are the types of gonadotropin preparations used for induced breeding?
2. Point out any three examples of vitamins from microalgae.
3. Give notes on any two valuable chemicals from sea.
4. What is marine xylanase?
5. Identify the importance of Premixes of vitamins and minerals in fish feed.
6. Give a note on microencapsulated feeds with suitable examples.
7. What is homogeneous nucleation process?
8. Briefly outline the heating equipment used in thermal processing of fishery products.
9. Write a note on fish skin leather and its uses.
10. What are bycatch reduction devices?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Comment on controlled-release delivery systems for GnRHa and its importance in fish breeding.





12. Fish sperm banks are important ex situ methods for conservation of germplasm. Substantiate.
13. What are the oxidative changes occurring in fish feed which leads to the deterioration of its quality? Suggest remedies to overcome this.
14. Explain the process of quality control of feed.
15. Describe the chemical treatments prior to freezing.
16. Explain spoilage of canned food.
17. Explain the water quality standards followed in fish processing industry.
18. Write notes on SSB and VHF systems.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Discuss the different toxins and microbes found in fish and the methods to detect them.
20. Describe the phenomena of freezer burn and recrystallization and discuss how product processing and packaging can minimize the aforementioned problems.
21. Write a detailed account on canning and steps involved in aseptic canning.
22. Write notes on the major crafts and gears used for inland and marine fishing.

(2×5=10 weightage)

