



QP CODE: 24020100



24020100

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, MAY 2024**

**Second Semester**

B.Sc Zoology Model II Aquaculture

**Vocational Course - ZA2VOT03 - CAPTURE FISHERY**

2017 ADMISSION ONWARDS

2C019E08

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Write down the key characters of *Parapenaeopsis stylifera*.
2. Write down the scientific names of a) The Indian pearl oyster & b) The Black-lip pearl oyster.
3. Give the family name of Octopus and scientific names of any two species.
4. Distinguish between Traditional and mechanised fishing craft with suitable examples.
5. List out any four functions of buoys.
6. Write down the origin of the following rivers a) Ganga b) Indus c) Brahmaputra & d) Narmada.
7. What is Lacustrine fishery?
8. Mention the major species, gears, seasons of abundance and regions of abundance in oil sardine fishery.
9. Write down the scientific and common names of any two pomfrets.
10. Mention the major species, gear and seasons and regions of abundance in the lobster fishery of India.
11. What is meant by Recruitment? Comment on the factors affecting recruitment of fishes.
12. What is MSY? What is the importance of MSY in Fishery management?

(10×2=20)





### Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Give an account on identification characters of different families of Guitarfishes and Rays.
14. Narrate the key identification characters of any four families of teleosts included in the order Perciformes.
15. Give an account on Fishing Gear Materials with suitable examples.
16. Give an account on the structure and operation of Long line and Troll fishing.
17. What is Cold water fishery? Explain the different cold water resources and important cold water fisheries of India.
18. Comment on prawn fishery resources of India with fishing seasons, abundance and major gears.
19. Explain Crab fishery of India.
20. Define and explain the terms Fishery Management, Population, Population dynamics, Yield and Recruitment.
21. Explain the concept of Maximum Sustainable Yield? Explain the different Input controls in Fishery management.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Comment on important orders, families, genera and species of Molluscs of the Indian region and their identification.
23. Give an account on the structure and mode of operation of different Mobile gears operated in Indian region.
24. Explain Molluscan fisheries of Indian region. Mention their fishing seasons, abundance and major gears for each group.
25. Elaborate on the different factors affecting fish stocks. Explain the concept of Recruitment. Elaborate on overfishing and the different types of overfishing.

(2×15=30)

