

PG CBCS
M.Sc. Semester-IV Examination, 2022
Department of Zoology
PAPER: ZOO 403A (SPL PAPER)

Full Marks: 40

Time: 2 Hours

Write the answer for each unit in separate sheet

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.

ZOO 403A.1: AQUACULTURE AND FISH TECHNOLOGY

Marks: 20

GROUP-A

1. Answer any two questions:

2×2=4

- a) What is a fish louse?
- b) What is integrated fish farming?
- c) What do you mean by fisheries extension?
- d) How fisheries extension helps in community development?



GROUP-B

2. Answer any two questions:

2×4=8

- a) Draw and label a typical trawl net used in fishing operation
- b) Write briefly on Fin rot and Tail rot disease.
- c) Write briefly on Saprolegniasis.
- d) Write down briefly about Ichthyophthiriasis.

GROUP-C

3. Answer any one question:

1×8=8

- a) What is the principle of fish drying? What are the problems of fish drying technique?
3+5
- b) Write the principle of fish canning technology. What are advantages of fish canning technology?
3+5

(P.T.O.)

(2)

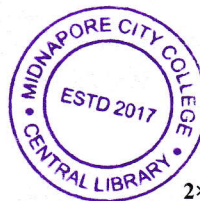
ZOO 403A.2: INLAND AND MARINE FISHERIES

Marks: 20

GROUP-A1. Answer any two questions:

2×2=4

- a) Name the maritime states of India.
- b) What is trickling filter?
- c) Write the classification of reservoir?
- d) Distinguish between active and passive sensors.

**GROUP-B**2. Answer any two questions:

2×4=8

- a) Write the applications of RS and GIS in aquaculture, with special reference to coastal resource management.
- b) Give a short note on raceway system.
- c) Mention the advantages and disadvantages of pen culture.
- d) What is skimming? Distinguish between industrial waste water and municipal wastewater.

2+2

GROUP-C3. Answer any one question:

1×8=8

- a) Describe the importance of estuaries and different threats to estuaries. Distinguish recurring from non-recurring estuary.
- b) Differentiate between sewage and sludge. Write a short note on stabilization pond.

2+4+2

6+2
