

PG CBCS
M.Sc. Semester - II Examination, 2022
FISHERIES SCIENCE
PAPER: C-FSC 204

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.

C-FSC 204.1: Fundamental of Fisheries Science**Marks: 20****GROUP-A****1. Answer any two questions:****2×2=4**

- a) Mention the scientific name of commercially important one fin fish and one shellfish of Indian waters?
- b) What is composite fish culture?
- c) Write the difference between aquaculture and agriculture.
- d) What are the scopes of aquaculture in India?

GROUP-B**2. Answer any two questions:****2×4=8**

- a) What are the advantages and disadvantages of paddy cum fish culture?
- b) Describe the objectives and importance of aquaculture.
- c) Distinguish between extensive and intensive aquaculture.
- d) Discuss scope and challenges of inland aquaculture.

GROUP-C**3. Answer any two questions:****1×8=8**

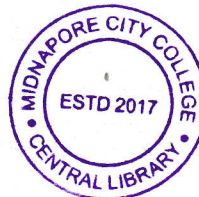
- a) State four important characteristics of fish. Give a brief account of benefits of aquaculture. Add a note on freshwater resources of West Bengal. 2+3+3
- b) Write short notes on: 4+4
 - i) Marine resources
 - ii) Management of reservoir fishery.

(P.T.O.)

(2)

C-FSC 204.2: Hatchery Design & Management**Marks: 20****GROUP-A****1. Answer any two questions:****2×2=4**

- a) What is pen culture?
- b) What are the two categories of site selection in pen culture?
- c) What is aquaponics?
- d) What is oxidation pond?

**GROUP-B****2. Answer any two questions:****2×4=8**

- a) Write the advantages and disadvantages of integrated fish farming techniques?
2+2
- b) Write down briefly the Raceway farming system process.
- c) State the composition of raw sewage.
- d) Briefly explain the advantages and disadvantages of sewage fed fish cultivation?

GROUP-C**3. Answer any two questions:****1×8=8**

- a) Briefly narrate the cage culture system of fish with advantages and disadvantages.
4+2+2
- b) What is aquarium? What are the accessories used in fish aquariums. Add a note on aquarium management.
2+4+2
