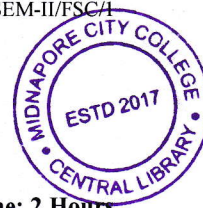


PG CBCS
M.Sc. Semester-II Examination, 2022
FISHERIES SCIENCE
PAPER: FSC 201



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.

FSC 201.1: Freshwater Ecology

Marks: 20

GROUP-A

1. Answer any one question:

1×8=8

- a) What is the significance of abiotic factors of an aquatic ecosystem? Briefly explain chemical characteristics of freshwater environment. Add a note on significance of biodiversity indices. 2+4=2
- b) Write notes on: i) Thermal stratification of freshwater ecosystem.
 ii) Adaptive modifications of Rhithron communities. 4+4

GROUP-B

2. Answer any two questions:

2×4=8

- a) Write a short note on productivity of an ecosystem.
- b) Briefly describe Wetland ecosystem and their fisheries potentialities.
- c) Briefly explain Ecological niche with example.
- d) Describe the threats and management of mangrove ecosystem.

GROUP-C

3. Answer any two questions:

2×2=4

- a) Define biomass.
- b) What do you mean by energy flow in an ecosystem?
- c) What are the key differences between parasitic food chain and detritus food chain?
- d) What is potamon gone?

(P.T.O.)

(2)

FSC 201.2: Saline water Ecology**Marks: 20****GROUP-A****1. Answer any one question:****1×8=8**

- a) What is coral reef ecosystem? Enlist major inhabitant in this ecosystem. Mention the adaptation of coral animals. 2+3+3
- b) What is neap tides and spring tide? Briefly describe the physico-chemical characteristics of marine environment. Add a note on composition of marine water 2+4+2

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

- a) Briefly explain different types of benthic organisms in marine environment.
- b) Describe the strategies of marine biodiversity conservation.
- c) Describe Predator and Prey relationship with example.
- d) State the threats and management of estuaries ecosystem.

**GROUP-C****3. Answer any two questions:****2×2=4**

- a) Define Indicator species with example.
- b) Mention the name of major estuaries of India.
- c) Write the difference between holoplankton and meroplankton.
- d) What are the driving forces of coastal areas?
