

2023

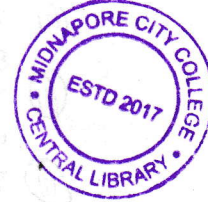
BFSC 4th Semester Examination

Fishing Craft Technology

PAPER — BFSC-409

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

1. Answer **any ten** from the following questions :
2×10=20

- a Name two common types of fishing vessels used in commercial fishing in West Bengal.
- b What is 'Chin' of a fishing craft?
- c Define 'rudder' and 'free board'.
- d What is the purpose of a fish hold in a fishing vessel?

/563

(Turn Over)

(2)

- (e) What do you mean by longitudinal stability of a fishing boat?
- (f) State the benefits of using hydraulics in fishing gear and equipment.
- (g) Write a note on 'light weight' and 'dead weight'.
- (h) What do you mean by vertical centre of gravity?
- (i) Make a list of materials used in fishing craft construction.
- (j) What are the advantages of FRP for construction of fishing crafts?
- (k) Name two biofouling organisms associated with wooden fishing crafts.
- (l) How do you control boring organisms in a wooden fishing crafts.
- (m) Define Centre of Buoyancy (CB) and Centre of Gravity (CG) in fishing craft.
- (n) State outboard engine in fishing vessel.
- (o) What do you mean by backbone assembly of wooden boat?

2. Answer any six from the following questions :
5×6=30

- (a) Describe different factors influencing fishing craft design. 5
- (b) Write note on Gross Registered Tonnage (GRT) and Net Registered Tonnage (NRT). 5

/563

(Continued)

(3)

- (c) What are the raw materials used in ferrocement boat construction? What are the advantages of ferrocement for fishing boat construction? 2+3=5
- (d) What do you mean by outboard and inboard engines used in fish crafts? 5
- (e) Write the steps of wooden boat construction. 5
- (f) Write the chemical wood preservative used in fishing crafts. 5
- (g) Write a short note on plunk built fishing canoe used in Andhra Coast. 5
- (h) State the categories of fishing hull. What are the general features of an ideal fishing craft hull? 5
- (i) Describe Simpson rules of area displacement of a boat. 5
- (j) What do you mean by wheel house and the hatches of the fishing crafts? $2\frac{1}{2} + \frac{1}{2} = 5$

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