

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2023
Programme Name: B Tech (NAOE)
Semester: VII
Subject Code: UG12E2707
Subject Name: FISHING VESSEL TECHNOLOGY

Date: 14.12.2023

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

1. Which among the following is a fisheries organization in India
 - a. ICAR
 - b. IACR
 - c. CFI
 - d. FIC
2. The main design consideration in fishing vessel design spiral is
 - a. Main Engine
 - b. Propeller
 - c. Fish Hold Capacity
 - d. A- Frame
3. The major expenditure in fishing business is
 - a. Salaries to crew
 - b. Cost of repairs
 - c. Cost of ice
 - d. Fuel charges
4. The compartment used to preserve the fish in the vessel is
 - a. Tanks
 - b. Hold
 - c. Accommodation
 - d. Engine room

5. The stern trawler using _____ for trawling the net underwater
 - a. Windlass
 - b. Bollards
 - c. otter board
 - d. Davit
6. The fish hold temperature are maintained by insulating with
 - a. Rock wool
 - b. Supercera
 - c. PUF board
 - d. Liquid injected foam
7. The outfitting equipment used for fishing is called
 - a. Fish find equipment
 - b. Mooring equipment
 - c. Fishing gear
 - d. Position fixing equipment
8. The convection for safety of fishing vessels is
 - a. COLREG
 - b. SAR
 - c. Cape town agreement
 - d. CSC
9. The major owners requirement to start fishing vessel design is
 - a. Fish hold capacity
 - b. Endurance
 - c. Engine power
 - d. Hull form type
10. The best roll stabilizing device on a fishing vessel
 - a. Anti-roll tanks
 - b. Bilge keel
 - c. Fins
 - d. Rudder

Section B

Five Questions of 02 Marks each

11. Describe special features of fishing vessel?
12. Compare single and pair trawlers?
13. Explain the ship design spiral for fishing vessel?
14. What are the material used for fishing vessel building?
15. List the fishing equipment on trawler?

Section C

Seven Questions of 10 Marks each of which any 05 questions to be answered.

16. Explain the various types of fishing gear and methods?
17. Draw the general arrangement of a fishing vessel?
18. Discuss the features of net monitoring systems in a trawler?

19. Compare the hulls of different material used for building fishing vessel?
20. List the deck machinery and outfitting items on-board a fishing vessel?
21. Discuss the methods of fish preservation?
22. Draw the flowchart to estimate the resistance of fishing vessel and explain?