

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2022
Programme Name: B Tech (NAOE)
Semester: VII
Subject Code: UG12E2707
Subject Name: Fishing Vessel Technology

Date: 22.12.2022

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 training organization in India
 - a. APMB
 - b. CIFNET
 - c. CITD
 - d. ICRA
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 temperature maintained in the fish hold is about
 - a. -4 deg
 - b. -17 deg
 - c. 4 deg
 - d. 17 deg
4. The fuel capacity requirement of a fishing vessel is based on
 - a. Ship length
 - b. Fish hold capacity
 - c. Trawling winches
 - d. Endurance
5. The stern trawler using _____ for trawling the net underwater

- a. Windlass
 - b. Bollards
 - c. Otter boards
 - d. Davit
6. The materials used for constructions of fishing vessels
- a. FRP
 - b. Ferro-cement
 - c. Aluminium
 - d. All
7. The insulation material used for fish hold preservation
- a. Liquid PUF
 - b. Rook wool
 - c. Mineral board
 - d. Wood
8. The type of fishing vessel for which baited hooks hanging from the main line by means of branch lines
- a. Line Vessels
 - b. Stern trawlers
 - c. Outriggers
 - d. Seiners
9. The instrument used to identify the fish presence
- a. DGPS
 - b. Echo Sounder
 - c. VHF
 - d. All
10. The Silent class notation for fishing vessel is
- a. SILENT A
 - b. SILENT S
 - c. SILENT F
 - d. SILENT R

Section B

Five Questions of 02 Marks each

- 11. Classify the regulations for safety of fishing vessel?
- 12. List the lightweight and deadweight components of fishing vessel?
- 13. Identify the materials used for fishing vessel construction with justification?
- 14. Design requirement of fish hold in view of preservation of the catch?
- 15. List the fishing equipment on trawler?

Section C

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

16. Summarize the various types of fishing vessels and fishing gear used for operation?
17. Outline the owner's specifications of a fishing trawler and discuss the investment cost, operating revenues and other costs?
18. Sketch the detailed general arrangement plan of any fishing vessel?
19. Classify the deck fitting and machinery of a fishing vessel and explain the operation requirement of each?
20. Explain the codes and conventions of fishing vessels?
21. Describe the characteristics of fish availability in Indian scenario and fishing methods used to obtain the catch?
22. Explain the followings aspects in relation to fishing vessel powering, hull material, machinery, net monitoring and manoeuvring?

