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10MR71

Seventh Semester B.E. Degree Examination, Dec.2017/Jan.2018

Advanced Marine Technology

Max. Marks:100

Time: 3 hrs.

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. List and explain all bridge control system. (10 Marks)
b. What are the alarm system should be on bridge an accommodation during UMS mode? (10 Marks)
- 2 a. List all the Cargo tank gauging system and explain any two. (08 Marks)
b. With a neat sketch, explain direct system single stage reliquification plant. (12 Marks)
- 3 a. Sketch and explain types of independent tank. (12 Marks)
b. Write a note on Cargo emergency shutdown system. (08 Marks)
- 4 a. Write a note on bilge arrangement in cargo area of chemical tankers. (10 Marks)
b. What are the safety equipments provided in chemical tankers? (10 Marks)

PART – B

- 5 a. Explain in detail the structural design for single hull and double hull tankers. (14 Marks)
b. Write the classification of oil tankers based on its size. (06 Marks)
- 6 a. Write the types of car carrier. (06 Marks)
b. Write the importance and types of ventilation in a car carrier. (14 Marks)
- 7 a. What is the aim and scope of condition assessment program? Also assessment done machinery and electrical components. (16 Marks)
b. Classify the types of bulk carrier based on cargo type. (04 Marks)
- 8 a. Explain the different methods to reduce SOX and NOX emission from ship. (12 Marks)
b. Write a note on IAPP certificates and regulations under this certificate. (08 Marks)

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Important Note: Candidates should not use diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and/or equivalent is strictly prohibited.