

CRASH COURSE

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10MR71

Seventh Semester B.E. Degree Examination, May 2017

Advanced Marine Technology

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART – A

- 1 a. Explain about various bridge equipments and its importance for the safe navigation of the ship. (10 Marks)
b. Explain about the “UMS” watch onboard with the essential requirements. For UMS watch as per SOLAS. (10 Marks)
- 2 a. Explain about the factors to be considered before loading the LNG cargo in the vessel. (10 Marks)
b. Explain about various system incorporated with the loading and unloading of cargo in LNG vessel. (10 Marks)
- 3 a. Describe about the classification of LNG and LPG vessel as per their design characteristics. (15 Marks)
b. Write short notes about “HD compressors”. (05 Marks)
- 4 Write the safe handling practices of Noxious chemical cargo during loading/unloading. (20 Marks)

PART – B

- 5 a. Explain about the types of tankers and its classification. (10 Marks)
b. Write briefly about the I.G. system installations and its operations during loading/unloading of cargo. (10 Marks)
- 6 Explain about the classification of RoRo vessels, and the advantages of RoRo vessel. (20 Marks)
- 7 a. Draw a basic “midship section of a bulk carrier”. (10 Marks)
b. Explain about the various loading patterns related to bulk carrier. (10 Marks)
- 8 a. Explain about the basic concept of intelligent engines. (10 Marks)
b. Write short notes about IAPP and the MARPOL regulations related to it. (10 Marks)

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