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***B.Tech. Degree VIII Semester Examination in
Marine Engineering July 2016***

MRE 802 SHIP OPERATION AND MANAGEMENT

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. What is multi modal transportation? Describe in detail. What has been its influence with respect to container trade? (20)
- OR**
- II. Describe bare boat charter, time charter and voyage charter. (20)
- III. Write short notes on:
- (a) Ship management companies. (10)
- (b) Registration of ships. (5)
- (c) RO-RO vessels. (5)
- OR**
- IV. (a) Elaborate on modern shipping practices taking into consideration developments in shipping and cargo handling. (10)
- (b) Explain theory of freight rates and the factors affecting the same. (10)
- V. (a) Explain the functions of Bill of Lading. (10)
- (b) Explain the relevance of COGSA. (10)
- OR**
- VI. (a) How will you go about making a claim from hull and machinery underwriters? What are the documents to be submitted for the same? (10)
- (b) Define the following terms. (10)
- (i) Actual total loss.
- (ii) Particular average.
- (iii) Constructive total loss.
- (iv) General average.
- VII. (a) Explain the pros and cons of new as well as second hand tonnage. (10)
- (b) What are the procedures for registering a ship under Indian Merchant Shipping Act? (10)
- OR**
- VIII. (a) What are the precautions to be taken for receiving bunkers and what will be your actions in case of a spill? (10)
- (b) Describe two types of marine frauds. (10)
- IX. (a) Enumerate the effects of flags of discrimination in the shipping industry. (10)
- (b) What do you understand by the terms capitilisation and finance in the context of international shipping? Briefly describe the various sources for obtaining finance. (10)
- OR**
- X. (a) Describe the broad outlines of a marine enquiry on the basis of Merchant Shipping Act. (10)
- (b) What are the basic underwriting principles applicable to Marine Insurance? (10)