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***B.Tech. Degree VIII Semester Examination in Marine Engineering
May 2019***

**MRE 1802 SHIP OPERATION AND MANAGEMENT
(2013 Scheme)**

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) What is chartering? Detail the division of responsibilities between owners and charterers in time charter and Voyage charter. (15)
(b) Describe Liner and Tramp services. (5)
- OR**
- II. (a) Discuss the various factors involved in Tanker chartering. (10)
(b) Describe multi modal transport. What are the advantages of the system? (10)
- III. (a) Describe the role and importance of Bill of Lading. (10)
(b) List out the roles of ship, agent and insurer for a vessel arriving "Under average". (10)
- OR**
- IV. (a) Discuss the immediate actions as well as procedures to be taken after an oil spill. (10)
(b) Discuss the advantages and disadvantages of "New and Second hand tonnage". (10)
- V. Write short notes on:
(a) Carriage of Goods by Sea Act. (10)
(b) Theory of Freight rates and factors influencing the rates. (10)
- OR**
- VI. (a) What is meant by vessels in distress, list out five distress signals? (10)
(b) What are the powers of Inspectors under the Dock Labour Board Act? (10)
- VII. (a) Discuss Marine frauds and how they can be prevented. (10)
(b) List out the equipments available in SOPEP locker. (10)
- OR**
- VIII. (a) What are Port and Flag State inspections? Elaborate. (10)
(b) What are the precautions to be observed during loading of bulk cargo? (10)
- IX. Write short notes on:
(a) Passenger ships (10)
(b) LNG vessels (10)
- OR**
- X. Discuss the present day scenario of world shipping with modernization of Ports, Ships and Faster turnaround. (20)