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***B.Tech. Degree VIII Semester Examination in  
Marine Engineering July 2017***

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

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. Explain the term "Charter Party". Describe various types of charter parties and the responsibilities involved. (20)
- OR**
- II. (a) Explain the events leading to General Average and subsequent procedures thereof. (10)
- (b) What are the factors accounted for in "on hire" and "off hire" surveys and when are they conducted? (10)
- III. Write short notes on:
- (a) P & I Clubs. (5)
- (b) Cargo survey and protests. (5)
- (c) Engagement and discharge of crew. (5)
- (d) Note of sea protest. (5)
- OR**
- IV. (a) Explain Registration of ships and factors leading to Registration under flags of convenience. (10)
- (b) Discuss the factors affecting tanker charter rates. (10)
- V. Write short notes on:
- (a) COGSA. (10)
- (b) Ship Management Companies. (10)
- OR**
- VI. Prepare a voyage estimate with the following data. At the end of the estimate state the amount of profit or loss made by the time charterer: (20)
- Singapore to Chennai with total of 500 TEU's.  
Duration of voyage 6 days. Charter hires USD 10,000/day.  
Cost of bunkers USD 200/day. Freight USD 200/TEU.  
Port charges at Singapore USD 20,000.  
Port charges at Chennai USD 15,000.
- VII. Write short notes on:
- (a) Liner vessels and Tramp vessels. (10)
- (b) Passenger ships and RO-RO vessels. (10)
- OR**
- VIII. (a) What will be the duties of a dock safety inspector upon receiving information regarding an accident involving cargo gear of a vessel carrying out operations at a port within his jurisdiction? (10)
- (b) Write short notes on: (5 + 5 = 10)
- (i) Free Pratique.
- (ii) Pilotage of ships.
- IX. Describe the various port procedures to be followed by the Owners/Charterers/Master for a vessel to call at a port. (20)
- OR**
- X. Describe in detail with two case studies the current scenario of Indian Shipping. (20)