

--	--	--	--	--	--	--	--

***B.Tech. Degree VIII Semester Examination in Marine Engineering  
July 2018***

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

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) What are the important factors to be considered by a shipper when shipping his goods by container? (10)  
(b) What is Bare boat chartering? What are the possible circumstances in which such type of charters are done? (10)
- OR**
- II. Discuss the following:  
(a) Registration of ships in India (10)  
(b) Role of Ship Management Companies in manning of ships (10)
- III. (a) What are the important procedures and precautions required on the part of carrier/owner in order to ensure that a claim for insurance is maintainable? (10)  
(b) List out the factors which have to be considered by a ship owner who proposes to deploy his ship on time charter. (10)
- OR**
- IV. (a) Discuss "Lenders Security" in the case of a new vessel to be constructed. (10)  
(b) Give an overview of a shipping company and its administration where there is no Management Company engaged. (10)
- V. (a) Prepare a voyage estimate with the following data and calculate the amount of profit or loss to the time charterer: (15)  
Singapore to Chennai with total of 1000 TEU's. Duration of voyage 6 days. Charter hire USD 20000/ day. Cost of bunkers USD 3000/ day. Freight USD 300/ TEU. Port Chargers at Singapore USD30000. Port charges at Chennai USD 25000.  
(b) What is 'parametric rolling'? How is it overcome? (5)
- OR**
- VI. (a) What are the factors to be accounted for by a ship owner before finalizing a sailing schedule? (10)  
(b) What are the rights of a dock worker on account of the Dock Labour Board Act? (10)
- VII. Write short notes on:  
(a) Fire precautions and Fire Fighting arrangements on a bulk carrier (10)  
(b) SOPEP (10)
- OR**
- VIII. (a) Discuss the advantages and disadvantages to a ship owner by registering under 'Flags of Convenience'. (10)  
(b) What are the safety precautions to be observed on a Ro Ro vessel? (10)
- IX. Write short notes on:  
(a) Bunker frauds and how they can be prevented (10)  
(b) Role of Ship's Agent in liner trade (10)
- OR**
- X. Discuss the Layout and the history of Indian Shipping from the 1<sup>st</sup> Indian owned ship SS Loyalty through independence to the present day scenario of modernization of Ports, Ships, Shipping Companies and Faster turnaround. (20)