

B.Tech Degree VIII Semester Examination in Marine Engineering, December 2007

MRE 802 SHIP OPERATION & MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

- I. Describe in detail Multi Model Transportation. What are the advantages of this system? (20)
- OR**
- II. What is chartering? Describe two types of Charters in detail. (20)
- III. Write short notes on:
- (i) General Average (10)
- (ii) Shipping Companies and Organisation (5)
- (iii) Ship Management Companies (5)
- OR**
- IV. What are Bills of Lading? Describe them in details and the frauds associated with them. (20)
- V. (a) Explain the term “Capitalization and Finance”. (5)
- (b) What is DLB? Explain their functions. (5)
- (c) Explain in brief about Manning of Ships. (5)
- (d) What are the factors taken into consideration for planning a sailing schedule? (5)
- OR**
- VI. Prepare a voyage estimate with the following data. At the end of the estimate state whether the vessel has made a profit or loss for this voyage : Singapore to Chennai. Total cargo 1000 Teus duration of voyage – 5 days. Charter Hire USD 10,000 per day. Cost of bunkers USD 120 per day. Freight USD 250 per Teu. Port charges in Singapore USD 15000/- , Port charges in Chennai USD 11500/-. Expected delay at Chennai 2 days. (20)
- VII. (a) What do you understand by the term registration of ships? Explain. (6)
- (b) What are flags of convenience? Explain its effects on shipping. (14)
- OR**
- VIII. (a) What are “Vessels in Distress”. Explain in detail. (10)
- (b) What steps should be taken to prevent pollution? Explain the action you would take if you have an oil spill whilst taking in bunkers. (10)
- IX. Write short notes on the following :
- (i) Marine frauds with examples. (10)
- (ii) P&I Clubs and their duties. (10)
- OR**
- X. Write short notes on the following :
- (i) Liner and Tramp vessels (5)
- (ii) Oil Tanker/Product Carriers/LPG Carriers (10)
- (iii) Passenger Vessels/RO RO Vessels (5)

