

***B. Tech Degree VIII Semester Examination in  
Marine Engineering December 2010***

**MRE 802 SHIP OPERATION AND MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

- I. (a) Elaborate on the modern shipping practices taking into consideration of the developments in shipping and cargo handling. (10)
- (b) What do you understand by the term “Multimodal Transportation”? How does it differ from normal shipping services such as Liner and Tramp trades? (10)
- OR**
- II. (a) Briefly explain the history, development and functioning of Shipping Conferences and Shipper’s Council. (10)
- (b) Briefly explain the theory of freight rates and the various factors influencing the rates. (10)
- III. (a) Explain the term Charter Party. Describe various types of Charter Parties and their responsibilities involved. (10)
- (b) What do you understand by the term World Scale? Describe briefly. (10)
- OR**
- IV. (a) Explain the functions of a Bill of Lading and it’s contents. (10)
- (b) Explain the relevance of COGSA and the paramount clauses inserted in the B/L. (10)
- V. (a) Differentiate between a Hull and Machinery Cover and P and I Club Cover in marine insurance. Also explain regarding the coverage provided by each. (10)
- (b) How will you go about making a claim from the H and M underwriter? What are the documents which need to be produced as evidence or support for a claim? (10)
- OR**
- VI. (a) What are the basic principles governing Marine Insurance? Write short notes on each of these principles. (10)
- (b) Briefly define the following terms : (10)
- |                         |                              |
|-------------------------|------------------------------|
| (i) General average     | (ii) Particular average      |
| (iii) Actual total loss | (iv) Constructive total loss |
- VII. Make a detailed organigram of a liner shipping company and write up on the function and responsibility of each of it’s elements. (20)
- OR**
- VIII. (a) Briefly discuss regarding the origin, evolution, function and current status of the concept of Ship Management Companies. (10)
- (b) Describe *any five* of the following aspects of Ship Management Companies such as : (10)
- |                |                       |                 |
|----------------|-----------------------|-----------------|
| (i) Marketing  | (ii) Fleet Management | (iii) Technical |
| (iv) Financial | (v) Purchasing        | (vi) Investment |
| (vii) Legal    |                       |                 |
- IX. (a) What do you understand by the terms Capitalisation and Finance in the context of international shipping? Briefly describe the various sources providing finance and the lender’s security. (10)
- (b) Briefly explain the pros and cons of New as well as Second hand tonnage. (10)
- OR**
- X. (a) Explain on how do we go about registering a ship as per Indian Merchant Shipping Act. (10)
- (b) Briefly lay out the history of Indian Shipping starting from the first Indian Owned ship “S S Loyalty” through the independence of India till the present day scenario of Modernisation of Ports, Ships, Shipping Companies and Faster Turnaround. (10)