

## ***B.Tech Degree VIII Semester Examination in Marine Engineering June 2012***

### **MRE 802 SHIP OPERATION AND MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

- I. (a) Describe in detail the modern shipping practices taking into consideration of the developments in shipping and cargo handling methods. (10)
- (b) Explain briefly the theory of freight rates and the various factors influencing the rates. (10)
- OR**
- II. (a) Bill of Lading is an important document in shipping industry. Explain its functions, uniqueness and related problems. (10)
- (b) Explain briefly the history, development and functioning of shipping conferences and shipper's council. (10)
- III. (a) What are the underwriting and loss adjusting principles applied to Marine Cargo Insurance? (10)
- (b) Differentiate clearly the terms 'Particular Average' and 'General Average', giving examples. (10)
- OR**
- IV. Write short notes on:
- (i) P&I Clubs (6)
- (ii) Organization structure of a modern shipping company (7)
- (iii) Ownerships of shipping company and its administration (7)
- V. (a) What are the important procedures and implications of buying new/old ships? (10)
- (b) Describe in detail the economics of new and second hand tonnage. (10)
- OR**
- VI. Write short notes on:
- (i) Various sources providing finance and the lender's security. (6)
- (ii) The meaning of terms capitalization and finance with respect to shipping industry. (7)
- (iii) Safe manning of ships. (7)
- VII. (a) Why should a vessel be registered? Explain the procedures involved for the registration of a ship as per MS Act, 1958. (12)
- (b) Enumerate the effects of Flags of discrimination in the shipping industry. (8)
- OR**
- VIII. (a) What do you understand by shipping casualties and penalties under the Merchant Shipping Act? (10)
- (b) Describe with examples the different types of maritime frauds. (10)
- IX. Describe in detail with a few case studies the current scenario of Indian shipping. (20)
- OR**
- X. Explain the term "Flag of Convenience". Why ships are registered under flags of convenience? Explain its effects in the shipping industry. Name five important flags of convenient registries. (20)