

## ***B.Tech Degree VI Semester Examination in Marine Engineering May 2012***

### **MRE 601 MANAGEMENT SCIENCE**

Time : 3 Hours

Maximum Marks : 100

- I. (a) What is the concept of planning as an element of management process? Discuss its role in present day business organizations. (10)  
 (b) What are the different barriers of communication? What steps can be taken to overcome these barriers? (10)
- OR**
- II. (a) What do you mean by line organization? What are its benefits and limitations? (10)  
 (b) What are the basic principles of delegation of authority? (10)
- III. (a) Enumerate the various functions under production planning and control. (10)  
 (b) Discuss briefly the applications of linear programming in any functional area of management. (10)
- OR**
- IV. (a) What is the role of production planning department in standardization of products? (10)  
 (b) State the circumstances where CPM is a better technique of project management than PERT. (10)
- V. (a) What is the function of safety stock? What are all the different uncertainties against which you would like to protect the inventory? (10)  
 (b) What is sales forecasting? How is it important in planning? (10)
- OR**
- VI. (a) What do you understand by job evaluation? Explain the objectives of job evaluation. (10)  
 (b) What do you understand by the term "Quality Control"? What are the objectives of quality control? (10)
- VII. (a) What are the sources of long term financing? State briefly the merits of each source of long term financing. (10)  
 (b) What is budget? What is sought to be achieved by budgetary control? (10)
- OR**
- VIII. (a) Write short notes on:  
 (i) Break even analysis (5)  
 (ii) Standard costing (5)  
 (b) Write short notes on:  
 (i) Discounted cash flow method of project appraisal (7)  
 (ii) Current ratio (3)
- IX. (a) What do you mean by selection for employment? Outline a suitable selection process for a larger business organization. (10)  
 (b) Explain Maslow's Need Hierarchy Theory. (10)
- OR**
- X. (a) How will you define leadership as a process of influence? What are its various features? (10)  
 (b) What exactly do you mean by the concept "workers' participation in management"? Critically examine the scheme of workers' participation and management in Indian industry. (10)