

***B.Tech. Degree VI Semester Examination in  
Marine Engineering June 2013***

**MRE 601 MANAGEMENT SCIENCE**

Time : 3 Hours

Maximum Marks : 100

- I. (a) Describe the practice and growth of modern management thought. (10)  
(b) What is SWOT analysis? How is it done and used in long term planning? (10)  
**OR**
- II. (a) Discuss the types of communication to be found in organizations. Highlight their advantages and disadvantages. (10)  
(b) Distinguish authority, responsibility and accountability. (10)
- III. (a) Explain integrated materials management and discuss the sub-functions involved in it. (15)  
(b) Distinguish between products and services. (5)  
**OR**
- IV. (a) Distinguish between PERT and CPM. (10)  
(b) Discuss the functions of production planning and control in a manufacturing unit of your choice. (10)
- V. (a) What are the methods used for operational sales forecasting? Discuss. (10)  
(b) What is safety stock? What is its use and how is it calculated? (10)  
**OR**
- VI. (a) Distinguish between motion study and time study and explain the use of each. (10)  
(b) Distinguish between job evaluation and merit rating and explain the use of each. (10)
- VII. (a) What is working capital? How is its requirement determined and how is it controlled? (10)  
(b) Explain the use of budgets and budgetary control with an example. (10)  
**OR**
- VIII. (a) A manufacturer produces pumps in a factory. His fixed cost is ₹ 10 lakhs per year. The variable cost for making a pump is ₹ 2,500/-. The selling and distribution cost per pump is Rs.800/-. If the average selling price of a pump is ₹ 4000/-, what is the break even point? (10)  
(b) What is depreciation? What are the different methods of calculating depreciation? (10)
- IX. (a) What is the role of psychological tests in recruitment? Is the role of such tests different when recruiting workmen and officers? (10)  
(b) Discuss Maslow's need hierarchy theory and give an example of how it can be used in an organization. (10)  
**OR**
- X. (a) What is safety? What are the factors affecting safety? How can safety be improved at work place? (10)  
(b) Discuss the different methods of training used in an organization bringing out their advantages and disadvantages. (10)