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***B.Tech. Degree VI Semester Supplementary Examination in
Marine Engineering May 2017***

**MRE 601 MANAGEMENT SCIENCE
(Prior to 2013 Scheme)**

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) What are the functions of management? Explain. (10)
(b) Explain different types of organization structures. (10)
OR
- II. (a) What are the barriers in communication? Explain the communication efficient process model. (10)
(b) What are the principles of locating a plant? Discuss. (10)
- III. (a) Explain product development principles and standardization. (10)
(b) Describe the principles and processes involved in inventory control. (10)
OR
- IV. (a) Distinguish PERT and CPM. What are the applications of PERT and CPM? (10)
(b) Explain different types of plant layout and their advantages and disadvantages. (10)
- V. (a) Write a report on decision theories in management. (10)
(b) Write a report on quality control and ISO 9000 Series. (10)
OR
- VI. (a) What are the approaches to work study? Explain. (10)
(b) Explain job evaluation and merit rating. Discuss the application and use of them. (10)
- VII. (a) Explain different financial ratios and their application in finance management. (10)
(b) What are the different methods for capital formation? What are the advantages and disadvantages of these methods? (10)
OR
- VIII. (a) Explain Break Even analysis with an example. (10)
(b) Explain the budgetary control measures and process. (10)
- IX. (a) What is meant by MBO? Explain. (10)
(b) What are the legal requirements in ensuring conducive working conditions in an organization? Discuss. (10)
OR
- X. (a) Explain the significance of management's relation with trade and workers' participation in management. (10)
(b) Explain different types of training methods. Explain the significance of the application of psychological tests in recruitment and training. (10)