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***B.Tech. Degree VI Semester Supplementary Examination in
Marine Engineering June 2022***

**MRE 1601 MANAGEMENT SCIENCE
(2013 Scheme)**

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) Explain Taylor's scientific management. (10)
 (b) What are the functions of management? (10)
OR
- II. (a) What are the factors affecting plant location? (10)
 (b) What are the different organization structures? Explain line organization and its merits and demerits. (10)
- III. (a) Explain the various types of production systems and its suitability for industry. (10)
 (b) What are the elements and steps in Production Planning and Control? (10)
OR
- IV. (a) Explain new product development process. (10)
 (b) What are the different types of plant layouts? Explain product layout with sketch and its suitability. (10)
- V. (a) Explain sales forecasting techniques. (10)
 (b) What is meant by work study? What are its merits and demerits? (10)
OR
- VI. (a) What are decision theories in Management? (10)
 (b) Explain different types of plant maintenance. (10)
- VII. (a) What are the objectives and functions of financial management? (10)
 (b) What is meant by working capital? What are the factors affecting working capital? (10)
OR
- VIII. (a) What is balance sheet? Explain it with a sample format. (10)
 (b) Differentiate between standard costing and budgetary control. (10)
- IX. (a) Explain the functions of personnel management. (10)
 (b) Explain quality circles and write its merits and demerits. (10)
OR
- X. (a) What is Management By Objectives (MBO)? (10)
 (b) Write short notes (10)
1. Leadership styles
 2. Group dynamics
 3. Motivation theories
 4. WPM(Worker's Participation in Management)