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M – 6273

Reg. No. ....

Name : .....

**Sixth Semester B.Tech. Degree Examination, December 2021  
(2008 Scheme)**

**08.604 : INDUSTRIAL ENGINEERING AND MANAGEMENT (E)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

*(Answer all questions. Each question carries 4 marks)*

1. What are Taylor's principles of scientific management?
2. Write short notes on working capital cycle with a diagram.
3. What are the objectives of personal management?
4. Distinguish between private limited and public limited company.
5. What are the objectives of method study?
6. What is merit rating and what are its objectives?
7. What are the indications of a poor plant layout?
8. What are the objectives of production planning and control?
9. What is ISO 14000 family of standards and why is it important?
10. Define (i) Lead time (ii) Buffer stock

**(10 × 4 = 40 Marks)**

P.T.O.  


PART – B

(Answer **one** question from each module. Each **full** question carries 20 marks)

**Module – I**

11. (a) Discuss briefly about different functions of management. **10**  
(b) What is organizational structure? Explain different types of organizational structure. **10**

OR

12. (a) What is the scope of financial management? Explain the functions of financial management. **10**  
(b) Discuss briefly about the evolution of scientific management and industrial engineering. **10**

**Module – II**

13. (a) Explain various types of plant layouts with their advantages and disadvantages. **10**  
(b) State the differences between methods study and time measurement with their objectives. **10**

OR

14. (a) Distinguish between flow diagram and string diagram with sketches. **10**  
(b) Explain different types of incentive plans. **10**

**Module – III**

15. (a) Explain ABC analysis and its significance in inventory control with suitable examples. List out the advantages and disadvantages of ABC analysis. **10**  
(b) Explain the importance of process planning with reference to production control. Discuss the activities involved in process planning. **10**

OR

16. (a) What is TQM? Discuss briefly the key elements of TQM. **10**  
(b) Distinguish between PERT and CPM. **10**

(3 × 20 = 60 Marks)

