



Reg. No. :

Name :

**Sixth Semester B.Tech. Degree Examination, May 2013
(2008 Scheme)**

08.604 : INDUSTRIAL ENGINEERING AND MANAGEMENT (E)

Time : 3 Hours

Max. Marks : 100

- Instructions :**
- 1) The question paper consists of **two** parts Part **A** and Part **B**.
 - 2) Answer **all** questions from Part **A** and **one** question from **each** Module of Part **B**.
 - 3) Questions from Part **A** carry **4** marks each and those under Part **B** carry **20** marks each.

PART – A

1. Define a system. What are the components of a management system ?
2. Explain the need of training in industries.
3. What are the different types of accounts in double-entry book-keeping ?
4. What is a product layout ? Explain with example.
5. What are the allowances considered in calculating standard time for doing an activity ?
6. What is meant by Job evaluation ? Explain its importance.
7. Differentiate between time rate and piece rate wage system.
8. What are the methods of eliminating industrial fatigue ?
9. Define inventory. What are the different types of inventories ?
10. What is meant by marketing mix ?

(4×10=40 Marks)

PART – B

Module – I

11. a) Describe a brief history of the development of management thoughts. **10**
- b) Distinguish between line, and line and staff organization structure. State its merits and demerits. **10**





12. a) What are the important functions of Personnel Management ? 10
- b) What is meant by budgetary control ? How does it help in achieving efficient management ? 10

Module – II

13. a) Explain various types of computerised lay-out planning systems. 10
- b) What are the essentials of good wage incentive plans ? 10
14. a) Explain Job evaluation and merit rating. 10
- b) What are the important material handling equipment commonly used in industries ? Explain. 10

Module – III

15. a) What are the methods suitably used in industries for elementary 'Fatigue' ? 10
- b) Describe Industrial safety. 10
16. a) Describe 'ABC' analysis. 10
- b) What are the different components of Quality Information Systems (QIS) ? 10