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Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, October 2014
(2008 Scheme)**

08.802 : INDUSTRIAL ENGINEERING (MPU)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions. **Each** question carries **4** marks :

1. Explain different functions of industrial engineering.
2. What are the characteristics of a good design ?
3. Explain principles of material handling.
4. What are the advantages of preventive maintenance ? What is total productive maintenance ?
5. Explain SIMO chart.
6. Explain different forms of communication in an industry.
7. Explain the procedure of time study.
8. Distinguish between job evaluation and merit rating.
9. What is statistical quality control ?
10. What is benchmarking ?

(10×4=40 Marks)

PART – B

Answer **any one full** question from **each** Module. **Each** question carries **20** marks :

Module – I

11. a) What do you mean by C-V-P analysis ? 8
- b) Explain different methods used for calculating depreciation with an example. 12

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12. a) What is flexible manufacturing system ? 8
b) Explain any four types of material handling equipments used in industries. 12

Module – II

13. a) Explain principles of motion economy. 12
b) What are the different types of allowances ? 8
14. a) What are the essentials of a good wage incentive plan ? 8
b) Explain different methods used for settling industrial disputes. 12

Module – III

15. a) Explain ABC analysis in inventory control. 8
b) What is economic order quantity ? Derive an expression for EOQ. 12
16. a) Explain control charts for variables and control charts for attributes. 12
b) Distinguish between consumer's risk and producer's risk. 8

(3x20=60 Marks)