



Reg. No. :

Name :

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

08.802 – INDUSTRIAL ENGINEERING (MPU)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions :

1. What are the functions of industrial engineer ?
2. Define group technology. What are its advantages ?
3. Explain the principles of motion economy.
4. How the environmental factors affect the man-machine system ?
5. Distinguish between job order production and mass production.
6. What are the principles of preventive maintenance ?
7. Explain SIMO chart.
8. What is PMTS ?
9. What is EOQ ?
10. What are the objectives of quality circles ?



(10×4=40 Marks)

PART – B

Answer **any one** question from **each** module.

Module – I

11. a) Explain different steps in value engineering. 10
- b) Describe the procedure for establishing or improving materials handling system. 10



12. a) Explain different steps in new product development. 10
b) Explain the essentials of a good wage incentive plan with suitable examples. 10

Module – II

13. a) Explain in detail the procedure for job evaluation. 10
b) Explain any two merit rating plans. 10
14. a) What is industrial psychology ? What are the objectives ? 10
b) Explain the role of trade unions in increasing the productivity of Indian industries. 10

Module – III

15. a) Describe the various functions of inventory control. 8
b) Distinguish between 'Q' system and 'P' system with suitable examples. 12
16. a) Distinguish between control charts for variables and control charts for attributes. 10
b) Explain OC curve. 10

(3×20=60 Marks)

