



Reg. No. : .....

Name : .....

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

**08.802 : INDUSTRIAL ENGINEERING (MPU)**

Time : 3 Hours

Max. Marks : 100

PART – A



Answer **all** questions. **Each** question carries **four** marks.

1. Define motion study. State different charts which are used as a tool of method study.
2. Value engineering is a powerful cost reduction tool. Justify.
3. Write a note on factors affecting plant layout.
4. Explain the advantages of production planning.
5. What is system concept ? Explain.
6. Discuss about any three methods to provide depreciation.
7. What is six sigma concept ?
8. What are the essentials of a sound wage incentive plan ?
9. Explain collective bargaining.
10. Explain the concept of a quality vs. cost. **(10×4=40 Marks)**

**PART – B**

Answer **one full** question from **each** Module. **Each** sub question carries **ten** marks.

**Module – I**

11. Explain the stages of value analysis procedure in detail.

OR

12. Discuss the factors affecting the selection of materials handling equipment in a production shop.

**Module – II**

13. What you understand by job evaluation ? What are the principles of job evaluation ?

OR

14. Give any three important wage incentive plans for direct workers. Give advantage limitation of each of them.

**Module – III**

15. Differentiate between destructive and nondestructive tests. Elaborate various non destructive testing methods.

OR

16. a) What are the objectives of inventory control ? Derive the expression for EOQ.

b) Discuss the procedural steps for constructing two variable charts.

**(3×20=60 Marks)**