



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, January 2018
(2013 Scheme)**

13.802 : INDUSTRIAL ENGINEERING (MPU)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

(10×2=20 Marks)

1. Define Industrial Engineering.
2. What is the need for value analysis of a product ?
3. What is a plant layout ?
4. What are the problems involved with queuing theory ?
5. Define inventory.
6. Write a short note on M.R.P.
7. What is an operational process chart ?
8. Define micro motion study.
9. What is inventory control ?
10. What is a Quality Circle ?

PART – B

Answer **one full** question from **each** Module.

(20×4=80 Marks)

Module – I

11. a) Define productivity. Explain different types of production systems with appropriate examples. **10**
- b) Describe in detail about the field of application of industrial engineering. **10**

OR

12. a) Explain the procedure for value analysis carried out for value Engineering. **10**
- b) Define the terms i) Normal cost ii) Crash cost iii) Normal time iv) Crash cost. **10**

P.T.O.

**Module – II**

13. a) Explain different types of plant layout. Give a critical appraisal for each them. 10
- b) Describe in detail about the flexible manufacturing. 10

OR

14. a) Discuss various methods of providing for depreciation. 10
- b) Explain the following with examples : 10
- i) Flow diagram ii) String diagram.

Module – III

15. a) Discuss comparative evaluation between partnership and joint stock Company. 10
- b) What is organization ? Discuss line staff organization, also discuss its advantages and disadvantages. 10

OR

16. a) Discuss about the importance of planning. 10
- b) Discuss about Scheduling. 10

Module – IV

17. a) Explain major elements of Total Quality Management. 10
- b) Enumerate the Sensitivity of the EOQ Formula. 10

OR

18. a) Discuss about the destructive and non destructive testing methods. 10
- b) Enumerate the concepts of Bench marking. 10
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