

G 1104

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2016

Seventh Semester

Branch : Mechanical Engineering/Automobile Engineering

INDUSTRIAL ENGINEERING (MU)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

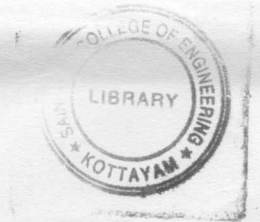
Time : Three Hours

Maximum : 100 Marks

Part A

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

1. State various ways to improve production. Explain any of them with suitable example.
2. What are the different phases of value analysis ?
3. What is the main purpose of maintaining an inventory ?
4. What is material handling ? What are the main principles of material handling ?
5. Explain the principles of micromotion study.
6. What is EOQ ? Derive an expression for EOQ.
7. Define inventory control. What are the objectives of inventory control ?
8. Explain the various work measurement techniques.
9. Explain any three destruction testing methods.
10. Explain the meaning and significance of cellular manufacturing system.



(10 × 4 = 40 marks)

Part B

*Answer all questions.
Each question carries 12 marks.*

11. (a) Comment on the statement 'Value analysis is nothing more than cost reduction'.
Or
(b) Explain the function of Industrial engineer with suitable case study.
12. (a) Explain the meaning and significance of Just in time (JIT). Give a brief explanation stating the advantages and disadvantages.
Or
(b) Explain various methods for replacement studies.

Turn over

13. (a) Explain the principles of motion economy and workplace layout.

Or

(b) Explain the various work measurement techniques.

14. (a) Explain the major problems faced by trade unions in India.

Or

(b) Explain the objectives and functions of trade unions.

15. (a) Explain the objectives of inventory control.

Or

(b) Explain the direct and indirect cost involved in the cost accounting.

(5 × 12 = 60 marks)

