

F 3434

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2014**

**Seventh Semester**

Branch : Mechanical and Automobile Engineering

INDUSTRIAL ENGINEERING (M, U)

(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. Explain the term Productivity.
2. Narrate the fields of application of Industrial Engineering.
3. Explain the objectives of good plant layout.
4. Explain the principles of material handling.
5. Explain the objectives of work measurement.
6. Explain the relevance of flow-diagram.
7. What are the merits and demerits of trade union ?
8. Define industrial disputes ? Explain the causes and after effects of industrial disputes.
9. Explain the objectives of statistical quality control.
10. Explain how selling price and a product is calculated.

(10 × 4 = 40 marks)

**Part B**

*Answer all questions.*

*Each question carries 12 marks.*

11. Explain the features of continuous and intermittent production.  
*Or*
12. Explain the different phases of value analysis.
13. Explain the various types of plant layout.  
*Or*
14. Explain various factors governing plant location.

**Turn over**

15. Explain the objectives and uses of merit rating. Explain various merit rating plans.

Or

16. Explain the objectives and produce of micro motion study.

17. Explain the objectives and functions of labour welfare.

Or

18. Explain the significance of communication in Industries. Enumerate the types of communication, communication channels and barriers for successful communication.

19. Explain the various inventory models.

Or

20. Explain any *three* non-destructive testing methods.

(5 × 12 = 60 marks)

