

Roll No. ....

Total Pages : 2

BT-8/M-20

38180

MANUFACTURING MANAGEMENT

Paper–ME-426N

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt five questions in all, selecting at least one question from each Unit.

UNIT–I

1. (a) What are the factors considered for Plant layout? 5
- (b) What are different types of Plant layout ? Explain in short. 4
- (c) Explain concept of Production, Production System and Production Management. 6
2. (a) Mention any two factors that will influence Plant locations in developing countries. 8
- (b) Briefly discuss historical evolution of Production and Operation Management. 7

UNIT–II

3. (a) Describe in brief location economics. 8
- (b) Classify Layout. Also explain design of Product layout. 7

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4. Write short notes on the following : 3×5=15
- (a) Service layout.
  - (b) Organization of Physical facilities.
  - (c) Location theories and models.

### UNIT-III

5. (a) Write the various objectives of material handling. Also write its principle. 8
- (b) Write a technical note on JIT manufacturing. 7
6. (a) Explain in detail the guidelines for effective utilization of material handling. 8
- (b) Write short notes on the Inventory control, ergonomics and material handling equipment. 7

### UNIT-IV

7. (a) Explain the identification and control of Waste. Also discuss the advantages of automation with regards to Waste management. 10
- (b) Write a technical note on Automated storage, retrieval system. 5
8. (a) Why there is a need of Automation ? Explain automated flow lines. 8
- (b) Write short notes on Automated Guided vehicles system. 7