

## MP- JUNE 2010 - 1

Roll No. ....

Total No. of Pages : 2

**BT-2/JX**

**8269**

**Manufacturing Processes**

**Paper : ME-103E**

Time : Three Hours]

[Maximum Marks : 100

**Note :-** Attempt any **FIVE** questions, selecting at least **ONE** question from each Unit.

### UNIT-I

1. Write brief notes on :
  - (a) Classification of manufacturing processes
  - (b) Industrial safety. 10,10
2. Discuss important properties and applications of medium carbon steel, high speed steel and wrought iron. 20

### UNIT-II

3. Describe various types of patterns. Discuss pattern materials and pattern allowances. 20
4. Discuss various casting defects and remedies. Also describe the working of cupola. 20

### UNIT-III

5. Write briefly on :
  - (a) Piercing
  - (b) Punching and blanking. 10,10
6. Describe the working of product layout and fixed point layout. 20

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Contd.

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### UNIT-IV

7. Discuss various types of chips and describe their formation. 20
8. Discuss briefly :
  - (a) TIG and MIG welding
  - (b) Soldering and brazing. 10,10

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