BT-2/JX

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

8269 Contd.
7. Discuss various types of chips and describe their formation. 20

8. Discuss briefly:
   (a) TIG and MIG welding 10
   (b) Soldering and brazing. 10