

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

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