

Roll No.

Total Pages : 2

BT-1/D-12

8010

MANUFACTURING PROCESSES

Paper-ME-103E

Time Allowed : 3 Hours]

[Maximum Marks : 100

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

UNIT-I

1. Write briefly on the following :
 - (a) Methods of safety
 - (b) Types of manufacturing processes
 - (c) Types of industrial accidents. 6,7,7
2. Discuss composition, properties and applications of mild steel and high carbon steel. 20

UNIT-II

3. (a) Discuss basic steps in a casting process. 10
- (b) Discuss various pattern allowances. 10
4. Discuss the functioning of a Cupola furnace, using a diagram. 20

UNIT-III

5. Discuss objectives and types of various plant layouts. 20
6. (a) Write brief notes on any two sheet metal operations. 10

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- (b) Discuss various forging operations. 10

UNIT-IV

7. Write briefly on the following :
 - (a) Tool wear
 - (b) Nomenclature of single point cutting tool
 - (c) Shaper and planer
 - (d) Continuous chips. 5,5,5,5
8. Write briefly on the following :
 - (a) Resistance welding
 - (b) Welding defects
 - (c) Soldering. 8,6,6

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