

Roll No.

Total Pages : 2

Exam. Code

6042

8069

BT-2/M-11

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 briefly on the following :

(a) Industrial safety.

(b) Causes and common sources of industrial accidents.

10,10

2. (a) Describe various safety methods.

10

(b) Discuss properties and applications of mild steel and cast iron.

10

UNIT-II

3. Describe various steps in casting process. Also discuss the function of risers, runners and gates.

20

4. Write short notes on the following :

(a) Core making and core assembly.

(b) Cupola.

10,10

UNIT-III

5. (a) Describe the working of direct extrusion process. 10
(b) Describe the process of wire drawing, using a neat sketch. 10
6. Discuss the objectives and types of layouts, along with their advantages. 20

UNIT-IV

7. Discuss various types of chips and describe the effect of coolants on chip formation. 20
8. Write short notes on the following :
- (a) Soldering.
 - (b) Spot welding.
 - (c) TIG welding.
 - (d) Tool wear. 5×4
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