

MP-2011-1 MAY

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

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MP-2011-2 MAY

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. 5x4

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2