

## MECHANICAL ENGINEERING

### 1. MANUFACTURING PROCESSES

UNITS: 13

Author: Prof. R.S. Parmar

S.No.	Title	CD No.
1.	<b>Importance of Knowledge of Manufacturing Processes in Engineering; Various Processes, Concept of Break Even Point</b>	<b>1536</b>
2.	Engineering Materials : Their Properties, Classification and Uses	1537
3.	Introduction to Casting Processes & Sand Moulding Practice	1538
4.	Moulding & Core Sands : Their Compositions and Characteristics	1539
5.	i) Sand Casting Defects ii) Advanced Casting Processes	1540
6.	Metal Forming i) Basic Principles ii) Rolling	1541
7.	Forging Processes	1542
8.	Sheet Metal operations	1543
9.	Material Joining Methods	1544
10.	Arc Welding Processes	1545
11.	Resistance Welding Processes	1546
12.	Introduction to Machining Processes	1547
13.	Calculation of Machining Time & Tools for Different Machine Tools	1548