

**DIPLOMA IN MECHANICAL ENGINEERING  
(DME)**

**Term-End Examination**

**December, 2016**

00512

**BME-054 : MANUFACTURING PROCESS – II**

*Time : 2 hours*

*Maximum Marks : 70*

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*Note : Answer any five questions. All questions carry equal marks.*

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1. (a) Explain the process of Hot Rolling with neat sketch. 7
- (b) Explain the process of sheet metal bending operation. 7
2. (a) Explain the operation of Board Drop gravity hammer forging with neat sketch. 7
- (b) Explain cutting speed, feed and depth of cut in grinding process. 7
3. (a) Discuss in brief different superfinishing processes. 7
- (b) Explain the process of lapping. 7

4. (a) Explain Electroplating with neat sketch. 7  
(b) Write the commonly used equipments for Arc Welding. State the principle of Arc Welding. 7
5. (a) Classify different welding processes and explain any one in brief. 7  
(b) Describe the process of MIG Welding with neat sketch. 7
6. (a) Explain the process of Resistance Welding with neat sketch. 7  
(b) Explain the process of Oxy-acetylene gas cutting with neat sketch. 7
7. (a) Explain the working of a Band sawing machine. 7  
(b) Differentiate between Reciprocating saw and Band saw. 7
8. Write short notes on any *two* of the following :  $2 \times 7 = 14$   
(a) Diamond Wheels  
(b) Polishing  
(c) Gas Welding Flames  
(d) Honing