

**DIPLOMA IN MECHANICAL ENGINEERING
(DME)**

Term-End Examination

December, 2012

80200

BME-054 : MANUFACTURING PROCESS-II

Time : 2 hours

Maximum Marks : 70

Note : Answer any five questions.

1. (a) How the sawing machines are classified ? 7+7
Why saw teeth are given an offset to the side?
- (b) What do you understand by cutting speed of a saw? What is meant by feed rate of blade?
2. (a) Discuss the reasons for the failure of power 7+7
hacksaw blade.
- (b) Differentiate between Brazing and Soldering.
3. (a) Write different types of soldering defects. 7+7
Suggest possible remedies for each defect.
- (b) How the flames in gas welding is formed?
What are the Three types of flames in Oxy-Acetylene gas welding?

4. (a) Describe the process of Metal Arc welding 7+7
with the help of neat diagram.
- (b) What do you understand by welding
electrodes? How electrodes are classified?
5. (a) Describe the principle on which resistance 7+7
welding works. Also write the various
categories of resistance welding.
- (b) Discuss the objectives of non-metallic
coating and metallic coating.
6. (a) What do you understand by Galvanizing ? 7+7
What are the techniques used for
Galvanizing?
- (b) What is Anodizing? Write various
applications of Anodizing.
7. (a) What are the various characteristics of a 7+7
surface? How will you define surface finish?
- (b) What is grinding? Describe the various types
of grinding used in manufacturing.
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