

**DIPLOMA IN ELECTRICAL AND
MECHANICAL ENGINEERING (DEME)**

Term-End Examination

June, 2012

01025

BME-054 : MANUFACTURING PROCESS - II

Time : 2 hours

Maximum Marks : 70

Note : Answer any seven questions.

1. (a) Explain the process of Blanking with neat sketch. 5
(b) Compare the Hot working and cold working process. 5
2. (a) Explain the process of forging with neat sketch. 5
(b) What are the different-types of bending operations ? Explain. 5
3. (a) Describe about the coding of grinding wheel. 4
(b) What are the parameters used for grinding operations ? Explain with suitable formula. 6
4. (a) What are the types of bonds ? Explain any one. 5
(b) Describe about the balancing of grinding wheel. 5

5. (a) Explain lapping process with suitable sketch and state its applications. 5
(b) What are the basic objectives of surface preparation in metal finishing process ? 5
6. (a) What is metallic coatings ? Describe the working of electroplating process with neat sketch . 5
(b) What are the various type of Galvanising process ? Explain any one. 5
7. (a) Explain the process of electric arc welding with neat sketch. 5
(b) What are the safety precautions associated with electric arc welding ? 5
8. (a) Describe the process of T I G welding with neat sketch. 5
(b) Explain the various steps involved in soldering procedure. 5
9. (a) How do you classify the sawing machines and explain the working of horizontal band saw machine with neat sketch. 5
(b) What are the general hack saw blade failure and their remedies ? 5
10. Writ short notes on *any two* of the following : $5 \times 2 = 10$
(a) Dip Brazing
(b) Laser beam welding
(c) Hot dip galvanising
(d) Super finishing
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