

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

Term-End Examination

June, 2011

BME-054 : MANUFACTURING PROCESS - II

Time : 2 hours

Maximum Marks : 70

Note : Answer any seven questions

1. (a) Discuss the effect of temperature on sheet metal working. 4
- (b) What are the common metal forming process. Explain any one of them with neat sketch. 6
2. (a) Explain the codification of Grinding wheel. 5
- (b) Explain the process of forging with neat sketch. 5
3. (a) What are the defects and remedies in grinding operation ? 4
- (b) Describe the Honing process with neat sketch. 6

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| 4. | (a) | Discuss the characteristics of surfaces for Metal finishing process. | 5 |
| | (b) | Differentiate between Lapping and polishing. | 5 |
| 5. | (a) | What are the advantages and disadvantages of Metal Coating process ? | 4 |
| | (b) | How do you classify the metal coating process and explain the process of Galvanizing ? | 6 |
| 6. | (a) | What are the defects occur in welding process ? | 4 |
| | (b) | Describe the process of submerged arc welding and give its applications. | 6 |
| 7. | (a) | Discuss the safety precautions associated with soldering. | 4 |
| | (b) | How do you classify the Brazing process and explain any one of them. | 6 |
| 8. | (a) | What is soldering flux and discuss the main functions performed by flux ? | 4 |
| | (b) | Describe the soldering procedure to joint the plates. | 6 |
| 9. | (a) | What are the size and specifications of saw machine and blade ? | 4 |
| | (b) | Describe the working of Horizontal Band saw with neat sketch. | 6 |

10. Write short notes of the following :

4x2.5=10

- (a) Rolling
 - (b) Super finishing process
 - (c) Cutting fluids
 - (d) Electroplating
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