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BME-054

**DIPLOMA IN MECHANICAL
ENGINEERING (DME)**

Term-End Examination

June, 2019

BME-054 : MANUFACTURING PROCESS—II

Time : 2 Hours

Maximum Marks : 70

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

1. (a) What is grinding ? Describe the various types of grinding operations used in manufacturing. 7
- (b) What do you mean by Anodizing ? List the various applications of Anodizing. 7
2. (a) Describe the working principle of resistance welding process. Also write the different types of resistance welding process. 7
- (b) Describe the process of Metal Arc welding with the help of a neat sketch. 7

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3. (a) Discuss the reasons for failure of power hack saw blade. 7
- (b) Explain different types of soldering defects. Suggest possible remedies for each defect. 7
4. (a) How are the metal coating processes classified ? Explain the process of Galvanizing. 7
- (b) Explain lapping process with suitable sketch. State applications of lapping process. 7
5. (a) What is metallic coatings ? Describe the working of electroplating process with neat sketch. 7
- (b) Explain the process of blanking with neat sketch. Also explain the process of forging with neat sketch. 7
6. (a) Discuss the characteristics of surface texture produced during machining process. 7
- (b) Explain the process of electric arc welding with neat sketch. Write the safety precautions associated with electric arc welding. 7

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7. (a) What are the different types of bending operations ? Explain with the help of sketches. 7
- (b) Explain the process of spinning with neat sketch. Compare drawing and tube drawing operations. 7