

**DIPLOMA IN MECHANICAL ENGINEERING
(DME)**

Term-End Examination

00593

June, 2018

BME-054 : MANUFACTURING PROCESS – II

Time : 2 hours

Maximum Marks : 70

Note : Answer any *seven* questions.

1. (a) Name the various types of shearing processes and explain any one of them.
(b) Explain about tube drawing process. 5+5
2. (a) Explain the process of wire drawing.
(b) Briefly explain the difference between Drop forging and Press forging. 5+5
3. (a) Classify the different types of grinding machines.
(b) Write about Bonding Process in manufacturing of grinding wheels. 5+5
4. (a) What are the factors for selecting grinding wheels ?
(b) What are the common causes of grinding wheel wear-out and glazing ? 5+5

5. (a) Explain about superfinishing with suitable sketch and its application.
- (b) Explain about centreless grinding, with suitable sketches. 5+5
6. (a) Explain the metal spraying with sketch.
- (b) What are different processes to obtain good surface finish ? 5+5
7. (a) Explain the different types of flames in oxy-acetylene gas welding process.
- (b) Explain about Seam welding. 5+5
8. (a) Write the advantages and disadvantages of Electron beam welding.
- (b) Briefly explain five different types of Brazing joints with figure. 5+5
9. (a) How are sawing machines classified ? Describe any one of them.
- (b) Explain Hacksaw teeth, with neat sketch. 5+5
10. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Ion Beam Machining
- (b) Surface Broaching
- (c) Grades of Grinding Wheels
- (d) Soldering
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