

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING – SEMESTER – 3 • EXAMINATION – WINTER- 2016**

**Subject Code: 3332302****Date: 22-11-2016****Subject Name: Compression Transfer And Injection Molding Of Thermoset****Time: 10:30 AM To 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

- Q.1** Answer any seven out of ten. **14**
1. Define compression molding process.
  2. List process variable of compression molding process.
  3. Define transfer molding process.
  4. List the types of compression molding mold
  5. Name the types of transfer molding process.
  6. List the different parts of injection molding machine for thermoset.
  7. Write any one cause and remade of thermoset product
  8. Name different parts of transfer mold.
  9. Write any two advantages of injection molding of thermoset.
  10. List the different transfer mold heating techniques.
- Q.2** (a) Explain the compression molding process with neat sketch. **07**
- OR
- (a) Explain platen position Vs Time diagram of compression molding process **07**
- (b) Write the advantages of compression molding process **07**
- OR
- (b) Explain the process variable of transfer molding process **07**
- Q.3** (a) Describe the various types of compression molding mold with neat sketch. **07**
- OR
- (a) Write the factor to be consider for determining pot dimension for transfer mold **07**
- (b) Write difference between pot transfer mold and plunger transfer mold **07**
- OR
- (b) Write advantages and disadvantages of transfer molding process **07**
- Q.4** (a) Explain Bulk Factor and importance of it. **07**
- OR
- (a) Write the difference between compression molding process and transfer molding process **07**
- (b) Explain the process variable of injection molding of thermoset **07**
- OR
- (b) Define the “cull” and write importance of it. **07**
- Q.5** (a) Write the process steps of injection molding of thermoset **07**
- (b) Explain the pot type transfer molding process with neat sketch **07**

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