

Seat No.: _____
No. _____

Enrolment

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VI • EXAMINATION – SUMMER • 2014

Subject Code: 362306

Date: 4-06-2014

Subject Name: Process Techniques for Finished Plastics

Time: 10:30 am - 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. English version is considered to be Authentic.

- Q.1** (a) List the types of self tapping screw and explain any one in detail. **07**
(b) Explain post molded inserts in detail. **07**
- Q.2** (a) Explain the role of rivets as fastening means. **07**
(b) Define mechanical means & explain snap fitting. **07**
- OR
- (b) Write principle for solvent bonding & discuss factors to be considered for good cementing. **07**
- Q.3** (a) Explain methods of applying adhesive in brief. **07**
(b) Write short note: "hot plate welding". **07**
- OR
- Q.3** (a) Explain friction welding as a joining technique. **07**
(b) Write short note on ultrasonic spot welding. **07**
- Q.4** (a) Discuss the importance of surface treatment. **07**
(b) List the types of paint materials and explain in brief. **07**
- OR
- Q. 4** (a) Explain mechanical abrasion in detail. **07**
(b) Give various paint techniques & explain roller coating. **07**
- Q.5** (a) Write short note on gravure printing. **07**
(b) Explain electroplating technique. **07**
- OR
- Q.5** (a) Explain embossing & surface texturing process. **07**
(b) Write short note on hot stamping. **07**
