

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PLASTIC ENGINEERING – SEMESTER – • EXAMINATION –2015

Subject Code: 362306

Date: 16/05/2015

Subject Name: PROCESS TECHNIQUES FOR FINISHED PLASTICS

Time: 10:30am to 1:00pm

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 Authentic

Q.1 (a) Write short note on, “fastening techniques”. **07**

(b) List the types of self tapping screw and explain any one in detail. **07**

Q.2

(a) List the plastic materials with appropriate solvents used for solvent cementing. **07**

(b) Write advantages and disadvantages of adhesive bonding. **07**

OR

(b) Explain spin welding or friction welding. **07**

Q.3

(a) Explain ultrasonic swaging in detail. **07**

(b) Write applications of thermal bonding. **07**

OR

Q.3 (a) Write short note on, “hot plate welding”. **07**

(b) Explain methods of applying adhesive in brief. **07**

Q.4

(a) Explain decorating techniques for plastics products. **07**

(b) List various surface treatments for plastic products & explain flame treatment. **07**

OR

Q. 4 (a) List various paint techniques & explain roller coating. **07**

(b) Explain material requirements for powder coating. **07**

Q.5

(a) Explain fluidized bed coating. **07**

(b) Explain pad printing in detail. **07**

OR

Q.5 (a) Write short note on, “hot stamping”. **07**

(b) Explain embossing & surface texturing process. **07**
