GUJARAT TECHNOLOGICAL UNIVERSITY Diploma Engineering - SEMESTER-VI • EXAMINATION – SUMMER 2013			
Subject Code: 362306 Date: 22/05/2013 Subject Name: Process Techniques for Finished Plastics Time: 10:30 am TO 01:00 pm Total Marks: 70 Instructions:			
ins		Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a)	Give the principle for solvent bonding and factors to be considered for good	07
	(b)	cementing. List the types of self tapping screw and explain any one in detail.	07
Q.2	(a)	Write advantages and disadvantages of adhesive bonding.	07
	(b)	What is mechanical means? Explain snap fitting.	07
		OR	
	(b)	Explain molded-in inserts in detail.	07
Q.3	(a)	Explain in brief, different methods of applying adhesive.	07
	(b)	Explain friction welding as a joining technique.  OR	07
Q.3	(a)	Explain dielectric heat sealing in detail.	07
	(b)	Explain ultrasonic swaging for joining two parts.	07
Q.4	(a)	List various surface treatments & explain flame treatment.	07
	(b)	List the types of paint materials and explain in brief	07
		OR	
Q. 4	(a)	Explain chemical etching as a surface treatment.	07
	(b)	Explain spray and wiping as painting technique.	07
Q.5	(a)	Explain fluidized bed coating.	07
	(b)	List various printing techniques & explain pad printing.  OR	07
Q.5	(a)	Explain embossing & surface texturing process.	07
	(b)	Explain vacuum metalizing process and its applications.	07

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