Seat No.:	Enrolment No
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## GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VI • EXAMINATION – WINTER • 2014			
	•	ct Code: 362303 Date: 02-12-2014 ct Name: Rotational, Blow Moulding and Thermoforming Process	4
7	-	02:30 pm - 05:00 pm Total Marks: 70	0
Q.1	(a) (b)	Explain the basic principle of extrusion blow molding with neat sketch. What is stretch blow molding process? State its advantages and disadvantages.	07 07
Q.2	(a) (b)	Explain various parison blowing systems. Explain drape process with neat sketch. OR	07 07
	(b)	Draw a line diagram of blow molding machine and label its different parts.	07
Q.3	(a) (b)	State types of rotational molding machines and explain any one.  Write short note on materials for rotational molding.  OR	07 07
Q.3	(a) (b)	Explain rotational molding process with neat sketch. State applications and advantages of rotational molding process.	07 07
Q.4	(a) (b)	Explain in brief the basic principle of pressure forming and vacuum forming. Explain trimming methods in thermoforming.  OR	07 07
Q. 4	(a) (b)	State and explain factors affecting thermoforming process. What are the material selection criteria for thermoforming?	07 07
Q.5	(a) (b)	Write short note on heating and cooling methods in thermoforming process.  Compare rotational molding and blow molding process.  OR	07 07
Q.5	(a) (b)	Explain parison programming in blow molding. State and explain rotational mold materials.	07 07

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