Seat No.:	Enrolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Diploma Engineering - SEMESTER-VI • EXAMINATION - WINTER 2013

Subj	ect Nar :: 10:30	de: 362303 Date: 03-12-201 ne: Rotational, Blow Moulding and Thermoforming Procedum - 01:00 pm Total Marks: 7	ess
	<ol> <li>Ma</li> <li>Fig</li> </ol>	empt all questions. ke suitable assumptions wherever necessary. ures to the right indicate full marks. glish version is considered to be Authentic.	
Q.1	(a)	Explain extrusion blow molding process.	07
Q.2	(b)	Explain process steps of rotational molding process.	07
<b>~</b>	(a)	Write advantages and disadvantages of thermoforming process.	07
	(b)	Explain role of parison programming in blow molding process.  OR	07
	(b)	Define stretch blow molding process? Explain stretch blow molding process with sketch.	07
Q.3	(a)	Compare extrusion blow molding process with injection blow molding process.	07
	(b)	List various types of rotational molding machine and explain any one in detail.	07
		OR	
Q.3	(a) (b)	Give applications of blow molding process.  Write any three defects of rotational molding product with its causes and remedies.	07 07
Q.4		and remodels	
	(a) (b)	Write in detail about heating and cooling techniques of roto mold. Explain any one vacuum forming process.  OR	07 07
Q. 4	(a)	Explain any one pressure forming process.	07
	(b)	Write in detail about roto mold material requirements.	07
Q.5	( )		0=
	(a) (b)	Explain various stages of thermoforming process. Write trouble shooting guide for any three problems of thermoforming process.	07 07
0.5	(-)	OR	07
Q.5	(a) (b)	Explain process variables of thermoforming process. Write in short about in "line sheet fed machine" used for thermoforming process.	07 07

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