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Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - SUMMER • 2014

	•	Code: 163606 Date: 28-05-2014 Name: Compounding and Processing of Plastics and Rubbers- II	
Tir	-	.0:30 am - 01:00 pm Total Marks: 70	
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Write a short note on Blends and alloys of polymers. Write a short note on Injection molding.	07 07
Q.2	(a)	Explain the causes and remedies of and three problem faced in Injection Molding	07
	(b)	Explain the causes and remedies of and three problem faced in RIM OR Explain the causes and remedies of and three problem faced in CAIM	07 07
Q.3	(b) (a) (b)	Explain the causes and remedies of and three problem faced in GAIM Write a short note on FRPs. Explain the Post extrusion techniques of Metallization of Plastic	07 07 07
Q.3	(a) (b)	OR Write a short note on Electroplating on plastics. Write a short note on Printing on plastics.	07 07 07
Q.4	(a) (b)	Explain the various characteristics of packaging films. Write a short note on Pull winding with diagram. OR	07 07
Q.4	(a) (b)	Write a note on compounding of rubbers. Define role of ingredients in rubber compounding.	07 07
Q.5	(a) (b)	Write a detailed note on the de polymerization. Write a note on the Conventional, Semi Efficient and Efficient Sulphur vulcanization.	07 07
Q.5	(a)	OR Write a detailed note on peroxide vulcanization. Compare it with Sulphur vulcanization.	07
	(b)	Write a general compound recipe and processing parameters for making one of the following a) Shoe sole b) Hose c) Mat	07
