Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII(NEW) • EXAMINATION - WINTER 2016

Subject Code:2172604		Code:2172604 Date:25/11/2016	Date:25/11/2016	
Subj	ect N	Name:Rubber Products Manufacturing		
Time: 10.30 AM to 1.00 PM				
Instru		s: Attempt all questions.		
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	Ans	wer the following		
	(a)	"Vibration Mount works on the Principles of Damping". Justify the statement.	(05)	
	(b)	Which rubber is used for manufacturing of Rubber Stoppers? Why?	(04)	
	(c)	List the Points which should be taken into consideration in the Dock Fender selection Procedure.	(05)	
Q.2	(a)	Answer the following.		
	(i)	List the properties and limitation of rubber band manufacturing from solid rubber. Also formulate the formula for rubber band.	(03)	
	(ii)	Discuss the application of rubber products in mechanical & automobile engineering field.	(04)	
	(b)	Define the term "Cellular rubber". Give the difference between types Cellular rubber.	(07)	
		OR		
	(b)	Write in detail about the manufacturing of Slipper Sole.	(07)	
Q.3	(a)	Which are the different methods for manufacturing of Seals? Discuss in detail about any one method.	(07)	
	(b)	Discuss in detail about Melton Cloth and Core covering for manufacturing of Tennis Ball.	(07)	
		OR		
Q.3	(a)	Write in detail about manufacturing process of Conventional Golf Ball	(08)	
	(b)	Define the term "Seal". Write about the types of Seals and properties of Seal Materials.	(06)	
Q.4	(a)	Why Tank lining is important? How it can be done? Explain all above in detail along with flow chart.	(07)	
	(b)	Explain about the manufacturing process of Surgical Tubing. OR	(07)	
Q.4	(a)	Write about dough preparation, solvent recovery and curing process for manufacturing of Printing Blanket.	(07)	
	(b)	Why Hospital Sheeting is manufacturing from Rubber only? Explain its manufacturing process in detail.	(07)	
Q.5	(a)	Write in detail about different polymers used for manufacturing of Protective Sheathing for Elastomeric Cable.	(07)	

		P.T.O	
	(b)	Write about the curing and finishing process for Rubber Rollers.	(07)
		OR	
Q.5	(a)	Discuss in detail about the curing process for Elastomeric Cable.	(07)
	(b)	Explain the bonding and building process for Rubber Rollers.	(07)