Seat No.:		Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		BE - SEMESTER-VII (NEW) - EXAMINATION – SUMMER 2017	
Subject Code: 2172604		Code: 2172604 Date: 06/05/202	17
Sul	bject	Name: Rubber Products Manufacturing	
Time: 02.30 PM to 05.00 PM To		2.30 PM to 05.00 PM Total Marks: '	70
Inst	ructio		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1		wer the following	
	(a)	Discuss in detail about the different classes of cellular rubber.	(07)
	(b)	Explain the manufacturing process of Rubber band from solid rubber. Draw the flow diagram.	(07)
Q.2	(a)	Write the manufacturing process of Ebonite Rod.	(07)
	(b)	Discuss the application of rubber products in mechanical & Civil engineering field.	(07)
		OR	
	(b)	Write in detail about the manufacturing of Slipper Sole.	(07)
Q.3	(a)	What is the difference between Seals & Gasket? Discuss about the Properties of Seal Materials.	(07)
	(b)	Mention the different steps for manufacturing of Tennis Ball. Write in detail about any two steps.	(07)
		OR	
Q.3	(a)	Write in detail about manufacturing process of Simple Play Ball.	(07)
	(b)	Mention the importance of Tank Lining. Discuss the manufacturing process for Tank Lining.	(07)
Q.4	(a)	Explain the manufacturing process of Rubber Stoppers through Flow chart only. Which precaution should be taken while testing the products?	(07)
	(b)	Explain about the manufacturing process of Hot water bag. OR	(07)
Q.4	(a)	Discuss in detail about Principles of Damping.	(07)
	(b)	Explain the manufacturing process of Hospital Sheeting in detail.	(07)
Q.5	(a)	Explain in detail about the importance of current carrying capacity & selection of conductor cross-sectional area for Cable Design.	(07)

(b) Write about the curing and finishing process for Rubber Rollers.

(b) Write in detail about XLPE Cable.

Q.5

OR

(a) Discuss about the compound design, dough preparation & Spreading process for manufacturing of Printing Blanket.

(07)

(07)

(07)