Q.31 Wr	rite short note on cutting and sampling			of Printed Pages :	4	126954	
Q.32 Ex	plain functional surfaces and lette	ers and				120001	
alp	phabets.			5th Sem. / RUBI	BER TECHNO	DLOGY	
SECTION-D			Subject : RUBBER PRODUCT DESIGN				
<b>Note:</b> Lo	ng answer type questions. Attempt a	Timny three x10=30)	Time	: 3 Hrs.		M.M. : 100	
pa	rts. (3)			SEC	CTION-A		
	plain various stage of product develop		Note	:Objective type que compulsory.	uestions. All	questions are (10x1=10)	
ruk	plain various processing limitation ober product design & also te e		Q.1	Name two rubber n	naterials used	in belts.	
en	vironmental exposure.		Q.2 Name two mechanical properties of rubber.			of rubber.	
Q.35 Wr	rite short note on:_		Q.3	Expand DMC.			
a)	Mechanical requirements of rubber	design.	Q.4	What is meant by o	xidative aging	?	
b)	Well thickness and its importance		Q.5	Define sampling.			
Q.36 Explain:			Q.6	What is stress white	ening?		
a)	Factors of considerations while destatically loaded rubber component	0 0	Q.7	Expand MEK.			
b)	Welding process used in rubber des	igns.	Q.8	Weld line is a	_of rubber pro	oduct design.	
(40)	(4)	126954			(1)	126954	

Q.9	Minimum distance between the edge	the hole	Q.21 Define anisotropy.				
	isin rubber product design.		Q.22 What is an anaerobic adhesive?				
Q.10 Name two important properties of rubbers,			SECTION-C				
	SECTION-B	empt any 0x2=20)	Note	:Short answer type questions. Attempt any eigh			
Note	e:Very Short answer type questions. Attempted ten parts (10x2)			parts. (8x5=40)			
			3 Classify threads according to unified thread				
Q.11	What is riveting?			standards.			
Q.12	Q.12 Write first two state of Rubber design.			Discuss preliminary design considerations for			
Q.13 Name two rubber design features. Q.14 What is weld line?			rubber product design.				
			Q.25 Discuss friction welding and ultrasonic welding process.				
Q.15 Define functional surface.			Q.26 Write limitations of rubber products.				
Q.16 Classify threads in rubber design.			Q.27 Write short note on 'cost economics'				
<ul><li>Q.17 Define solvent Cementing.</li><li>Q.18 Define shapes in rubber design.</li></ul>			Q.28 Explain various shapes used in rubber product				
			designs.				
Q.19 Explain drilling operation.				Q.29 Explain various texturing and its types.			
Q.20 Why draft angle is important in rubber design.			Q.30 Explain product life cycle of rubber products.				
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