TED(10) 3092	Reg.No.			
(Revision 2010)	Signature.			
	A EXAMINATION IN POLYMER TECHNOL OCTOBER - 2012	LOGY –		
LATEX TECHNOLOGY				
(Maximum Marks : 100)	PART - A	3: hours)		
marks) 1. Write the different phases natural rubber latex (NRL)? 2. Define latex compounding 3. Write the principle of dippir	ng process? cess for the manufacture of latex foam?	s 2 Marks [5x2=10]		
	PART - B			
 (i) Explain the principle of (ii) Describe the method of Write the different steps in What are the different method Describe the process of late Explain the method of present based paper adhesives? 	lestions, Each question carries six marks) latex compounding? production of dispersions and emulsions? level in the production of examination glothods in the production of latex foam? letex thread production? paration and characteristics of Latex lemethod of application of latex letex of spreading compound?	[3] [3] [6] [6] [6] [3+3=6] [5x6=30]		
PART – C				
(Answer one full question from each unit. Each question carries 15 marks)				
III. a. Explain the chemical comp natural rubber latex? b. What are the ingredients us		[10] [5]		
compounding?	fferent parts of a ball mill? What	[5] [5]		
UNIT – II				
latex gloves? b. What are the advantages of	f casting over the moulding process? s and remedies of dipped products?	[5] [5] [5]		

VI.		Explain the process of manufacture of rubber band with suitable formulation for the production of rubber band? Describe the after treatments of production of rubber gloves?	[8] [7]
		UNIT – III	
VII.		Explain the different steps for the production of latex foam with help of a suitable flow chart and formulation? Explain the methods for applying latex to Road surfacing?	[8] [7]
		OR	
VIII		Describe the steps and selection of ingredients for the production of coir fiber foam? write the production process of latex to carpet backing with	[8]
	D.	help of a flow chart?	[7]
		UNIT – IV	100
IX.	a. b.	What are the formulatory principles for Latex based adhesives? Describe the method of manufacture of latex thread with the	[8]
	~.	help of a flow process chart and formulation? OR	[7]
X.	a.	Describe the process of latex rubber tubing?	[5]
	b.	Explain the composition and properties of RFL adhesives for treatment of tyre cord	[5]
	C.	What are the latex spreading methods? With the help of a	
		schematic illustration?	[5]
