2007 D 1 2	Major exam	Full marks 30 (answer any six)	Time 1 hour
TXL212			3
 (a) Explain the structural changes in neck drawing stage. (b) If you are having the primary sequence of a protein. Enumerate the steps that the modeling servers follow to generate the theoretical structure. (a) What is the purpose of xanthation step in viscose preparation? Explain with chemical reaction. 			
(b) What are the	he problems associat	ed to use of CS ₂ ?	1
(c) Explain the mechanism how N-methylmorpholine-N-oxide dissolves cellulose.			
3. (a) It is important to maintain moisture-free inert atmosphere during PET production. Explain with chemical reactions.			
(b) Explain coreducing the g 4. Explain the methods by who so that the methods by who so that the methods by who so that the methods what the method is a so that the method i	prrectness of this state lass-transition temper mechanism of their hich it can be inhibited adation is a major protection the degradation mechanism of the type of degradation to the the solution to the the the the solution to the	oblem post production. hanism involved in the formation of Niggel formation2 causes yellowing of the polymer?1 o this problem?1	ylene and enumerate the 5 ylon gel?1
		ng PET polymerization during melt sp	inning?
7. (a) What is the meaning of parallel or anti-parallel β-sheet structure?			
(b) Silk fibroin can form intramolecular/intermolecular β -sheet crystallites, parallel/antiparallel β -sheet crystallites, as well as β -sheet crystallites of different sizes and orientations along the fiber axis. How that leads to wonderful mechanical property of silk fibre?			