3

Question 30 (8 marks)

Question 30 continues on page 22

Question 30 (continued)

(b)	Explain the relationship between the structures and properties of THREE different polymers from ethylene and glucose, and their uses.
	LDPE has a lot of chain pranching and
	therefore a lower density as the notecules
	cannot be packed close Together, this is ver
	for CD cases and other packaging
	HDPE has the very little chain branching and
	thus has a high donsity as the nulecules
	can pack close together. This is used for
	strong childrens logs
	Cellulose is a long chain of alternating glucose
	notecules and is a plants main way of
	storing energy and can be used to create
	Cabrics.

End of Question 30