Le Hobe

Question 30 (8 marks)

(a) Compare the process of polymerisation of ethylene and glucose. Include 3 relevant chemical equations in your answer.

ethylene has a polar - end and a non-polar end hence a good solvent for both polar & non-polar. However, glucose and has a non-polar & & ponpolar end. Also ethy the monomer ethylene has double bonds that breaks down and is a ble to like to other monomers such as polyethylene.

Question 30 continues on page 22

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Question 30 (continued)

(b) Explain the relationship between the structures and properties of THREE different polymers from ethylene and glucose, and their uses.

As ethylene has da double bond it can breakdown to be linked with other monomens hence, Polyethylene. Polyethylene, have a bit of elasticity. and are used for plastic bags and more Chloride such Also Viny 1 tough property than Polyethylene and are used そし yrene egg carlors and such the fured to make a bi · polymer polylactic lacto basilui and a ctions tarrice \$ sports read reathability index 01 = 10 We Hablility" = transfers moistu

End of Question 30

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