Question 30 (8 marks)

Compare the process of polymerisation of ethylene and glucose. Include (a) i= c relevant chemical equations in your answer. thytene + ethytene + et pD1y ahylene. ···· polyethylere. reachs (addition -hydroca poly mer mark Fe US medical purpose. m & ghiesse' Sugar polymer. C6 H12 OG - D (C6 H12 OG) (condensations reaction -this polymer is widely used in medure -has the ability to be fermented by yeast to produce ethanol.

Question 30 (continued)

(b) Explain the relationship between the structures and properties of THREE 5 different polymers from ethylene and glucose, and their uses. ethyle 8 wery as us twoi Hics, there ty N 0 Gr 01 em hogh obtains pressu 6 VXC an 10(11 ess hardo ethi ene longs R a са ed roup there - fore H NJ HOBY a 18700 O.S.C. Batura CCL has pelar - and KL OSE non - polen Dolym the net mt 51 bonds C **End of Question 30** entr.