Question 30 (8 marks)

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

C24 tta + ~ + OH + C2H4+OH + ... + H2Out C2H3C2H3. + C6H12D6+... + 1+2000 + C6H1005C6 H1005 polynerisation of glueose is condensation polynerisation of emplere is addition

Question 30 continues on page 22

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Question 30 (continued)

Explain the relationship between the structures and properties of THREE (b) different polymers from ethylene and glucose, and their uses. 100 density the ere - weather less r branching ed chainba dur <u>µ</u> yer, tacor cou aus NOFMO 10 Innales **End of Question 30**

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