## Question 18 (6 marks)

(a) Name the type of polymerisation shown in the following reaction:

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$$n \text{ HO-C} \xrightarrow{\text{O}} \xrightarrow{\text{O}} \text{C-OH} + n \text{ HO-CH}_2\text{-CH}_2\text{-OH} \longrightarrow$$

$$- \left( \begin{array}{c} \text{O} & \text{O} \\ \text{O-C} & \text{--} \\ \text{C-O-CH}_2\text{--} \text{CH}_2\text{--} \text{CH}_2\text{--} \text{O} \end{array} \right)_n + \text{H}_2\text{O}$$

(b)	Assess current developments in the use of biopolymers.