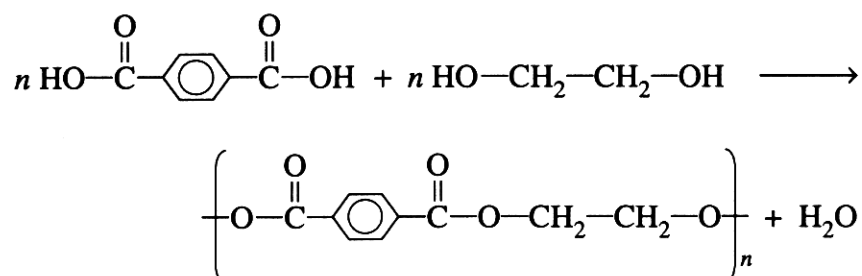


## Question 18 (6 marks)

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

1



.....condensation polymer.....

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

5

.....The biopolymer ~~cellulose~~ is made from glucose a monomer. It produced by a plant planets, glucose and ~~respirate~~ use the cell walls.....

.....The biopolymer like glucose used many way. First it produced cellulose and then with the development of ~~crack~~ catalytic cracking it used to produce ethane. Because glucose is a natural source it ~~about~~ need to ~~be~~ is to manufactured so it use many field currently. But it need ~~more~~ a large ~~of~~ amount of land to for growing plant and much more for clearing. The other source of biopolymer is ~~oil~~ crude oil. But its a non-renewable and produce many CO<sub>2</sub> and SO<sub>4</sub> it is a not a good way to produce. Future research will need to care about our environment and the costs.