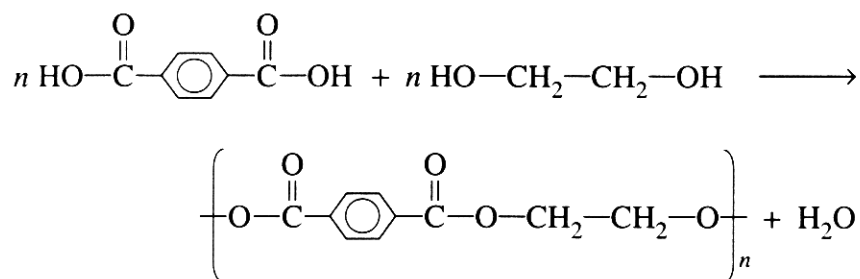


## Question 18 (6 marks)

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

1



Condensation polymerisation.

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

5

~~Biopolymers have currently been used in a wide~~

~~range~~ Biopolymers have been used widely in our current society.

PVC, a biopolymer that is produced through the addition polymerisation of chloroethene has been used as electrical conduit due to its ability to be shaped & moulded easily.

Rayon has also been used for textiles while polystyrene

is used for pipes. Although there are already numerous

biopolymers that are being used, <sup>current</sup> technology

allows ~~chemists~~ <sup>scientists</sup> to seek for a better & more

suitable biopolymers to perform a certain task.

This is done because biopolymers are degradable <sup>and</sup>

~~and~~ retain better physical & chemical characteristics.