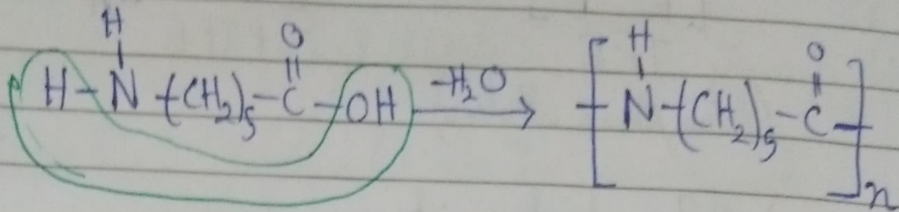


① Nylon-6 :-Preparation :- self-condensation of α -amino caproic acid α -amino caproic acid

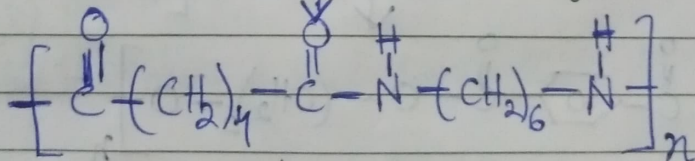
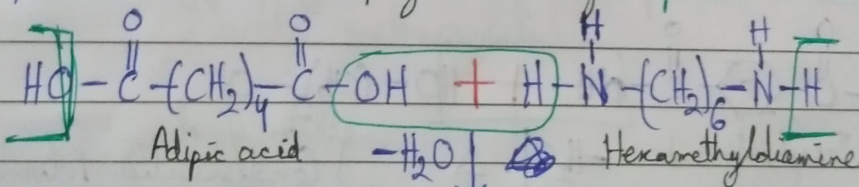
Nylon-6

Properties :-

- i) It has good moisture resistance
- ii) It has high strength and elasticity

Uses :-

- i) It is used for making tyre cords
- ii) It is used for making durable hair combs

② Nylon-6,6 :-Preparation :- Condensation polymerisation of Adipic Acid + Hexamethylenediamine

Nylon-6,6

Properties :-

- i) It has high strength, melting point (MP), elasticity
- ii) It has good abrasion & moisture resistance

↪ resistance to friction/wear & tear

Uses :-

- i) It is used as fibres and making socks, carpets
- ii) It is used for making gear bearings