Engineering Chemistry 2100031754

CO-4

ALM-10

10) Give a brief account of the applications of conducting polymers.

Am) · Electronics: Used in OLEDs, transistors, and solar cells for flexibility and conductivity.

· Energy storage: Act as electrodes in batteries and supercapacitors.

in electronics and textiles.

· Sensors: Deteut gaves, pH, and biomolecules.

20) covite the classification of polymen.

Ans) a) By Source

· Natural: Cellulose, rubbes.

Synthetic: PVC, ny Con

semi-synthetic: Celluloie, accetate.

b) By Structure

· Lineal: Polyethylene

· Branched: LOPE

· Cross-Cented: Bakelite

c) By Polymerization

· Addition: Pocyethylene

· Condensation: Nylon,