

## Section-4

Q2. Ans: Extrusion:- Extrusion is a technique where molten polymer is forced through a die and is used to produce components of a fixed cross-sectional area, such as tubes and rods.

\* Types of Extrusion:- They are classified into four types:

- 1- Direct Extrusion.
- 2- Indirect Extrusion
- 3- Impact Extrusion
- 4- Hydrostatic Extrusion

\* Extrusion defects:- Surface Cracking:

Surface cracks are developed due to

-> high extrusion temperature

-> high ram speed

-> High friction

-> It occurs at high temperature such as hot hardness

-> can also occur at low temperature.

-> These cracks are intergranular.