

## Section - C

### 30 Screening :-

→ Screening is the first unit operation in all wastewater treatment plants.

→ Screen is the device used to retain solid found in the influent wastewater to treatment plant.

→ The main purpose of screening is to remove solid materials that could.

⇒ Cause damage to other process equipment.

⇒ Cause reduction in efficiency of the whole system.

⇒ Contaminate water ways.

~~→~~ The material that are removed using screens are called screening.

### \* Classification :-

→ coarse screening.

→ fine screening.

→ micro screening, etc.

Following are the Screening equipment & —

- ⇒ Gravity Separation System.
- ⇒ Dewatering System.
- ⇒ Flotation System.
- ⇒ Ball mill Rod mill Grinding.
- ⇒ Optical Sorting System.
- ⇒ Crushing & Screening System.
- ⇒ Feeding System.
- ⇒ Scrubber washing plant.
- ⇒ Elution Electro-winning system.