## M-WATER Pollution 1)

- Ances in water up such a concentration that it will have the bad effect of an abiotic and biotic Factors.
  - => Sources of water Pollution:
- O RIVET AND LAKE WATER POllution:
- (a) Domestic Sauage: The domestic sewage includes household wastes which pass through municiple Sewage system.

Pollution strength of Savage-ballted water is different and by its Biochemical oxygen demand (BoD). BoD is the amount of oxygen taken up by the micro-oxygens -m present in water.

- D Agriculture Source: with the use of High yielding Varieties of Crops plants, increased use of fertilisers has become essential. ON Entering the drinking water these Create Serveral health problems.
- C> Pesticides: These include insection forgicides,

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- > EFFECTS OF WATER POLIUTANTS
- The main effect of water pollutants are:
- (a) Compounds of mercury, ansenic and lead are poisonous.
  Organic sulpher Compounds interface with nitrification
- (b) Fine suspended particles or colloidal substances make water sturbed.
- (c) Soap, detergents and alkalies result in foam formation.

## CONTROL WATERPOllution

- 1) Industrial effluent and domestic waste must be treated befor disposal.
  2) Reading of water though waste water treatment
- 3 Public aware ness program.

Stations are the source of thermal pallution of In these plants water is used for Coaling and become hot. The hot water is used for released back which vaise the temprature of the main body. This rise temprature kills fish and other aquatic animal and increases the reate of vespiration in aquatic plants.

V. MineRAL Oils: - oil form oil spills and washing into river water through seevers.

## 2. Underground WATER Pollution

Underground water is no more pure and safe, particularly in cities and industrial areas. The Sources of underground water polletion are sewage, industrial effuents, seewage bits, Septic tanks, fertiliser and pesticides, garbage dumps etc.

## 3 MARINE WATER POllution

Oceans are the ultimate sink of all natural and manmade pollutants. The main source of oceanic pollution are discharges of oil, grease and petroleum products, detergents, sewage and garbage including radio—
active wastes.