

ENVIRONMENTAL ENGINEERING

Notes by-

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WATER POLLUTION

* Sources of water pollution:-

- a) Domestic Sources.
- b) Industrial Sources.

* Types of water pollution:-

- a) Physical pollution
- b) chemical pollution
- c) Bacteriological pollution

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|-------------------------|----------------------------|--------------------|
| a) Physical Pollution:- | b) chemical Pollution | c) Bacteriological |
| 1) Colour | i) Acids | 1) Bacteria |
| 2) Taste & odour | ii) Alkalies | 2) Fungi |
| 3) Radio activity | iii) Toxic inorganic comp. | 3) Pathogenic |
| 4) Turbidity | iv) Dissolved solid | protozoa |
| 5) Suspended particles. | v) suspended substances. | 4) Viruses |
| 6) Foam | | |
| 7) Temp. | | |

* Water Management:-

- a) Hydrosphere
- b) Hydrological cycle
- c) water exchange
- d) Transport of water.

* Factors affecting sanitary project.

- 1) Economy
- 2) Population forecast
- 3) Mtd. of disposal
- 4) quality & quantity of sewage.
- 5) Rainfall
- 6) sources & type of sewage
- 7) Topography of area.
- 8) Trends in town development