

Unit -5 WATER DISTRIBUTION AND SUPPLY TO BUILDINGS**1.What is meant by self purification?**

- The automatic purification of natural water is known as self purification

2.List various natural forces of self purification

- Physical forces
- Chemical forces

3.What are the factors affecting the reduction ?

- Temperature
- Turbulence effect of wind
- Hydrographic
- Available dissolved oxygen
- Rate of re -aeration

4.What is meant by prim lake pollutant ?

- The phosphorus which contains in domestic sewage as well as in the industrial waste which affect the water quality of the lake and its called prim lake pollutant

5.What is meant by de oxygenation curve?

- The curve which represents (or) showing the depletion of D.O with time at the given temperature

6.How the river maintaining its clearness?

- The turbulence in the water body helps in breaking the surface of the stream and helps in rapid re aeration from the atmosphere. Thus it helps in maintaining aerobic conditions in the stream and keeping it clear

7.Name the biological zone in lakes

- Euphonic zone
- Littoral zone
- Benthic zone

8.What is meant by re -oxygenation?

- In order to counter balance the consumption of D.O due to the de – oxygenation ,atmosphere supplies oxygen to the water and the process is called the re -oxygenation

9.What is meant by zone of recovery?

- The zone in which the river water tries to recover from its degraded conditions to its former appearance is called zone of recovery

10.What is meant by sludge banks?

- When the solid waste are thrown into the sea water, chemical react with the dissolved matter of sea water and resulting in some precipitation of solid waste giving a milky appearance to sea water forming the sludge banks