MIND MAP : LEARNING MADE SIMPLE

CHAPTER - 16

Environmental Issues

Air Pollution

- Smoke stacks from thermal plants, garbage decomposition, burning of fossil fuels are common sources.
- Can be controlled by electrostatic precipitator, scrubber and catalytic converters.

Noise Pollution

Noise is undesirable high level of sound.

Water Pollution

- Sources
  - Domestic sewage
  - Industrial effluents
  - Pesticides and fertilizers
  - Oil from refineries
- Effects
  - Biomagnification
  - Eutrophication
  - Increased BOD
- Intergrated Waste Water Management
  - Treat Wastewater in integrated manner. E.g., in town of Areata situated along Northern coast of California.
  - Use of Ecosan toilets for ecological sanitation.

Deforestation

Conversion of forested areas to non-forested areas

Solid Wastes

- Types: Biodegradable and non-biodegradable.
- Disposal methods are sanitary landfills, rag pickers, Incineration, recycling.

Remedy of Plastic waste

Ahmed Khan developed Polyblend. It is a fine powder of recycled modified plastic used to lay roads.

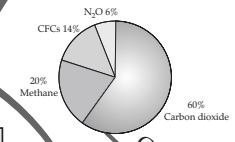
Ozone Depletion

CFCs (used as refrigerants) causes ozone depletion. It has formed ozone hole over the Antarctic region.

Montreal Protocol was signed to control the emission of ozone depleting substances.

Green House effect

- Green house gases



- Definition

Naturally occurring phenomenon, responsible for heating of earth's surface and atmosphere.

Global Warming

- Methods of Control
  - Reducing the use of fossil fuels
  - Use of bio-fuels
  - Improving energy efficiency
  - Use of renewable source of energy such as CNG etc.
- Effects
  - Odd climatic changes (El nino effect).
  - Melting of Polar ice caps.
  - Rise in sea level.
- Causes

increased concentration of greenhouse gases.

Radioactive waste

- Wastes generated from radioactive materials.
- Nuclear wastes should be buried in rocks.