

Date: - 19/05/2020 B.A Part-2

Subsidiary, unit-6

Lecture series-46

Topic: - Types of Environmental Pollution

3) Air Pollution: -

39) The air we breathe has a very exact chemical composition, 99% of it is made up to nitrogen, oxygen, water vapour and inert gases. Air Pollution occurs when things that aren't normally there are added to the air. A common type of air pollution happens when people release particles into the air from burning fuels. This pollution looks like soot containing millions of tiny particles, floating in the air.

Another common type of air pollution is dangerous gases, such as sulfur dioxide, carbon monoxide, nitrogen oxides and chemical vapors. These can take part in further chemical reactions once they are in the atmosphere, creating acid rain and smog. Other sources of air pollution can come from within buildings, such as secondhand smoke.

Finally, air pollution can take the form of greenhouse gases, such as carbon

dioxide or sulfur dioxide, which are warming the planet through the greenhouse effect. Air pollution kills more than 2 million people each year, according to a study published in the journal of Environmental Research Letters. The effects of air pollution on human health can vary widely depending on the pollutant, according to Hugh Sealy, professor and director of the environmental and occupational health track at the department of Public Health and Preventive Medicine, St. George's University. If the pollutant is highly toxic, the effects on health can be widespread and severe.

4. Noise Pollution — Even though humans can't see or smell noise pollution, it still affects the environment. Noise pollution happens when the sound coming from planes, industry or other sources reaches harmful levels. Research has shown that there are direct links between noise and health, including stress related illness, illnesses,

high blood pressure, speech interference, hearing loss. For ex:- a study by the WHO Noise Environmental Burden and Disease working group found that noise pollution may contribute to hundreds of thousands of deaths per year by increasing the rates of coronary heart disease. Under the Clean Air Act, the EPA can regulate machine and plane noise.

underwater noise pollution coming from ships has been shown to upset whales' navigation systems and kill other species that depend on the natural underwater world. Noise also makes wild species communicate louder, which can shorten their lifespan.