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“ENVIRONMENT AND POLUTION CONTROL”

Mr.Manharbhai V. Baria*

Introduction:

Environment word is derived from the French word 'environ' means to encircle or surround. The meaning of the word 'environment' is the surrounding of an organism. It is defined as the condition of air, water, land and other things surrounding us. Environment includes air, water and land and their relationship which exists among and between water, air, and land and human being, other living creature, plants, micro-organisms and property

Importance of Environment

Environment is very essential in every aspect of life. All the Living beings are depend upon the environment. All the components required for survival of living organism are gained through environment. Air, water, soil, food etc. Required for survival are acquired through the environment. All the development of living creature are done in environment. Human being utilizes the natural resources for development of civilization of human beings. For standardize the quality of human life, man use the environment in different sectors of the development activities. Plant and animals are also depend upon the environment. Therefore, all the pros such as survival, reproduction, growth, and development etc. Of living organisms are done under the environment

Consequences of Environmental Pollution

Today not only India but Hole world facing big problem is Global worming that affected all aspects humanbeaing and environment because, as we know that the Environmental pollution has been rapidly increasing day by day. The vehicles, Industries, Power stations produce smoke, dust and harmful effects on human beings. Pollution can cause diseases like tuberculosis, cancer, diseases of lungs and skin to people water is polluted by sewage, garbage and other biodegradable materials that can make the water undrinkable. Are different types of water born disease like cholera,typhoid,jaundice,etc.The noise pollution that comes from vehicles and industries, fire crackers, huge crowd has negative effects on human health. It causes mental tension. The soil pollution due to the excessive use of fertilizers causes barrenness of soil. From this we know that pollution is the factor for unhealthy environment.

Pollution:

More than half of the human population knows what pollution is, but we are still not ready to face its damaging consequences. Pollution is not only limited to water, soil and noise but has extended to light, visual, point and non-point sources. Human beings and their actions are majorly responsible for causing all types of pollution

***Mr.Manharbhai V. Baria** , Librarian, Smt.H.C.Patel KandariArts and Com college , Vadodara

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Water pollution is essentially caused by oil spills, urban runoff and ocean dumping. Air pollution rises from burning of fossil fuels, hydraulic fracturing and gases emitted by vehicles. Water and soil pollution are majorly caused from industrial waste. Pollution is when various contaminants are introduced into a natural environment that causes instability, disorder, harm or discomfort to an ecosystem.

Pollution can take a number of forms including:

1. **Air pollution** - comes from both natural and man-made sources. Motor vehicle emissions are one of the leading causes, but other principal pollution sources include chemical plants, coal-fired power plants, oil refineries, petrochemical plants, nuclear waste disposal activity, incinerators, large livestock farms, PVC factories, metal production factories, plastic factories and other heavy industry.

2. **Odor pollution** - related to air pollution and although not necessarily harmful, is environmentally most unpleasant. Sources can include industrial processes and landfill sites.

3. **Soil pollution** - when chemicals or other substances are released into the ground deliberately, accidentally or by underground leakage. These can include hydrocarbons, herbicides, pesticides, chlorinated hydrocarbons and heavy metals such as chromium and cadmium from batteries.

4. **Thermal pollution** - temperature change to natural water by, for instance, the addition of water used in the cooling of power plants.

5. **Noise pollution** - chiefly associated with transport and heavy industry. This will include roadway noise, aircraft noise, and industrial noise and can also include high intensity sonar.

6. **Visual pollution** - can include a proliferation of overhead power lines, advertising signboards alongside major roads, scarred landscapes following opencast mining and open storage of scrap metal and waste. There is also a strong body of opinion that considers wind farms to be a form of visual pollution.

7. **Water pollution** - the discharge of wastewater, intentionally or otherwise, from commercial, industrial premises or industrial processes into surface water. Water pollution can include untreated sewage plus the chemical contaminants used to treat sewage such as chlorine; runoff from surface water that can include chemical fertilizers and pesticides, plus urban pollutants; and general leaching from waste disposal. One large scale example of water pollution occurs with the process of hydraulic fracturing (fracking or hydrocracking), a process used to extract natural gas reserves from shale that requires large quantities of water. Studies on the hydrocracking process have found water pollution issues, raising health and other concerns.

8. **Population growth:** The main causative agent of degradation of environment is population growth. The population growth causes more need of natural environmental resources. The fast growth of population, high standard of the

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society i.e. Affluence and the high technological development have made the environmental problem very serious. It is called 'Impact of P.A.T' i.e. **Population, Affluence and Technology**.

9. Overused of Natural Recourses: Nature gives us to an invaluable resource. But ambitious peoples are using it over limits. Blind race of development and fulfill our unlimited necessity and wants. Explosion of population is main reason to unbalance to earth and environment.

Pollution Control:

Earth is a common home for all living organisms. Therefore the conservation of our home is very important. Environmental conservation is greatly influencing factor for protection of earth. Environment has been fulfilling our every needs and wants. So its preservation is to be done. For this every individual should be conscious.

It is high time for human beings to take the 'right' action towards saving the earth from major environmental issues. If ignored today, these ill effects are sure to curb human existence in the near future. Our planet earth has a natural environment, known as 'Ecosystem' which includes all humans, plant life, mountains, glaciers, atmosphere, rocks, galaxy, massive oceans and seas. It also includes natural resources such as water, electric charge, fire, magnetism, air and climate.

Remedies for Control of Environmental Pollution

Generally we know that the Solid waste, Air pollution, Urbanization, Industrial wastes, smokes of Vehicles is the main sources of Environmental Pollution

So, we try to control these sources, it's helpful to control environment pollution

1. Solid waste management
2. Stop vehicle's smoke
3. Control Air pollution
4. Industrial wastes management
5. Environment Awareness
6. Environmental Studies 'needs to be kept as a compulsory in Education.
7. Govt. and NGOs take initiative to Save environment
8. Celebrate environment related days Like
 - * 2nd February World Water land Day
 - * 21st March World Forestry Day
 - * 7th April World Health Day
 - * 18th April World Heritage Day
 - * 22nd April Earth Day
 - * 5th June World Environment Day
 - * 11th June World Population Day
 - * 16th September World Ozon Day
 - * 28th September World Green Consumer Day

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* 1 to 7th October Wild Life Week

Govt. and NGOs which is play the vital Role to protect the environment.

International

1. **UNO**
2. **C.P.C.B.**
3. **G.P.C.B.**

Conclusion:

If we are asked to explain the major challenges in the 21st century in two words we can say "Protection of Environment" the human beings have to accept otherwise there won't be any problem in 22nd century, as by that time this Living, green and water planet would be convert in to hot, dry and dead planet. Environmental Protection and Conservation is necessary. Thus, it is very important to create awareness among every individual regarding protection of natural environment.

UNO has also taken certain measures to control environment pollution.

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