

## **ENVIRONMENTAL PROTECTION BY SUSTAINABLE DEVELOPMENT**

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### **Abstract**

Since the creation of the universe, there has been an inseparable relationship between humans and the environment. There is a continuous processes are taking place in various components of the environment. This includes in all the biotic and abiotic factors around us. Due to all this, the environment is in a comprehensive situation that is related to space and time as well as life. Environmental awareness should be created in every section of the society, so they should understand the importance of the environment. This will maintain the balance of the environment. Their will terrible problems will arise due to the deterioration of the balance to the environment. Many environmental problems have arises in the current years. Keeping this view 5<sup>th</sup> June is celebrated as World Environment Day. The theme for 2024 Environment day was "Our Land, Our future". So to discuss environmental problems such as fertilizing barren lands, preventing desertification and drought are the main issue. Reducing the degradation of the natural environment due to excessive human intervention, planting trees, developing green cities, adopting environmentally friendly diets and cleaning rivers, lakes, and beaches are important environmental goals. In all these situations, it is necessary to actively participate in protecting the environment through public awareness to overcome environmental problems.

### **Introduction**

#### **Environment and Humans**

There is a mutual relationship between the environment and human life. Living and non-living elements, natural and human elements are the parts of environment. Land, climate, water, agriculture, plants, wild animals are the natural elements of the environment. Humans are the most important element of the environment. In the attempt to develop with the help of human intelligence, human intervention in nature is causing major changes in the environment that leads to deteriorating of environmental balance. Humans are not aware of this. A conflict has been created between man and nature and we see the development that has been caused by the degradation of the environment. This development is seen as a curse on human life. Unsustainable development is happening on a large scale in the name of sustainable development. To maintain the balance of nature, there should be 33% forest on any region. There is a standard that there should be forest. However, due to large-scale

deforestation, the amount of forest has decreased and the environmental balance has deteriorated.

### **Population growth and modernization**

Humans have degraded natural resources and the environment due to unlimited population growth, by use of modern technology to meet the needs of population growth, industrialization, urbanization etc. Natural elements such as forests, grasslands and wetlands are being damaged on a large scale. This has resulted in global warming, climate change, pollution of various elements such as air, water, land and biodiversity is in danger due to forest degradation. Depletion of ozone gas in the atmosphere, climate change, irregular rainfall, floods, cloudbursts, droughts, rising sea temperatures and melting of ice at the poles are creating many serious problems. Many species of animals and birds are becoming extinct due to these changes and living things are also in great danger.

### **Resources**

Natural resources are limited and are not sufficient for the growing population. Therefore, it is necessary to use them properly and thriftily. The idea that resources are being depleted by thinking that I have money and can provide all the resources needs to be changed by creating awareness among the people. In order to maintain the balance of the environment, it is necessary to use resources strictly. Water is a very important part of the environment. No living thing can survive without water. That is why water is called 'life'. Water has many uses. Humans have used many tools to make their lives comfortable. Water is an important element in it and due to over use, water pollution and wastage are happening on a large scale. Water reserves are getting polluted due to human intervention, which has a harmful effect on the health of living beings.

### **Various pollutions**

Due to toxic and hazardous waste are released in water from factories, domestic waste water, plastic, e-waste, etc., causes water of rivers and seas is getting polluted, endangering the existence of fish. There is no shortage of water on earth, but 71% of it is water, of which 97% is salt water and cannot be used by humans for any purpose. The remaining 3% is fresh water, 2% is in the form of ice, which is unusable and the remaining 1% is in the form of lakes, rivers and stream and its use has been going on since ancient times. Rivers and lakes are being polluted due to sewage from factories and households as well as plastic. Due to this, the existence of aquatic animals is in danger. Since potable water is decreasing, we need to create awareness by creating water literacy. It is not an exaggeration to say that the world runs because water is constantly being produced due to the water cycle. That is why it is said that 'Jal hai toh kal hai'.

### **Environmental Balance**

No one will disagree that natural forests keep the environment balanced because forests are an important component of the environment. That is why the Amazon forests are called the "lungs of the world". Forests play an important role in enriching biodiversity. There are more than sixty thousand species of trees found in the world. The entire population

of the world directly or indirectly depends on forests for food, clothing, shelter, energy, medicines etc. Despite this, 19 million hectares of forest land is being degraded every year. The result of this is visible in the form of global warming. Every year, trees are planted by various organizations for social purposes. Therefore, the forest area seems to have increased on paper, but how many of them are alive. Or no one pays attention to what efforts will have to be made to keep them alive. If we consider Maharashtra, currently 18% of the forest area is on paper. But in reality, there is no awareness of how much exists, the question of how much should be there stops at 33%. During a pandemic like Corona, even buying oxygen did not save some lives. What could be a more terrifying situation than this? Due to the poisoning of forests, temperature increase, climate change, loss of animal habitat, water scarcity, soil erosion, etc., and even more terrible problems will come to the fore.

### **Environmental changes**

Development is causing a lot of damage to the environment. Factories, cities, roads etc. have been seen in the forest areas or agricultural lands where we used to play when we were young. This shows how much damage is being done to the environment. Therefore, the problem of climate change is coming to the fore. The entire living species is facing cyclones, floods, cloudbursts, landslides, heat/cold waves, melting of ice at the poles, which leads to an increase in sea level, an increase in the amount of carbon in the atmosphere, unseasonal rains, damage to agriculture and agricultural products etc. Also, there is a loss of ecosystem biodiversity and human life. Species of animals and plants are becoming extinct. Population is increasing etc. problems are coming forward. Resources to meet the increasing needs of the growing population are limited. The use of vehicles is increasing. Therefore, carbon dioxide and carbon monoxide gases, gases produced by industrialization, water, land pollution, thus damaging the ozone layer, etc. are all causes of climate change and all this is happening due to human intervention, unsustainable development. Due to climate change, problems like heavy rains, floods, landslides, lightning strikes, hailstorms, cold waves, etc. are arising day by day. Due to temperature increase, carbon emissions have increased by 60% and natural disasters have increased by 30%. The most adverse effect of climate change has been on agriculture and agricultural products. The incidence of pests and other diseases on crops is increasing. To reduce it, the use of pesticides is increasing, which causes diseases like cancer are increasing.

### **Environmental protection is a necessity**

To reduce climate change and global warming, reducing greenhouse gas emissions, implementing pollution reduction schemes along with tree plantation, increasing the use of non-conventional energy, governments, various organizations and social institutions at the global and national levels are coming forward to protect the environment. As we are starting to understand the importance of nature again, the work of protecting the environment has started in earnest.

As we have started to understand the importance of nature again, the work of environmental protection has started in earnest. Resources are limited, it is necessary to use them sparingly. For that, we have to try to make environmental protection a part of our

lifestyle. It is necessary to start preventing the damage to the environment in the name of development. The general public needs to insist that development should only be sustainable. Only when we make environmental protection our main duty, sustainable development will happen and environmental protection is a responsibility. We need to understand this.

### **Conclusion**

The most important element in the environment is man. Man has made his life comfortable by making various kinds of modern tools with his intelligence. All this development that has been brought about in the name of making life comfortable is unsustainable development. Progress is visible, but while this progress is happening, we are not aware of the destruction of the environment and when we realize it, it is very late, but it is said that according to the saying 'Late comes, but right comes', we are becoming wise. We are coming forward on our own to protect the environment. Through public awareness, we are coming forward to protect the environment through schools, colleges and various social media. From this, our lives will definitely be happy and we can be sure that the development we see will definitely be sustainable.

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