

RANIGANJ GIRLS' COLLAGE

(Project on Environmental Studies)

2021-22

Title of the Project : Water pollution

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Honours: History

Semester: 1st semester

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Course Name: Environment Studies

Course Code: AEE101

Topic of the project: "Air pollution" and "Water pollution"

A Project Report

Submitted by Semester-I students (Academic Year 2021-22)

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CERTIFICATE

This is to certify that this project titled “Air pollution” and “Water pollution” submitted by the students for the award of degree of B.A. Honours/ Program is a bonafide record of work carried out under my guidance and supervision.

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Place: Raniganj

Date: 21.03.2022



Assistant Professor, Department of Microbiology

Signature of the supervisor with designation and department

Introduction Of Water Pollution

Water Pollution is a major global which requires ongoing evaluation and revision of water

Resource policy at all levels (international down to individual aquifers and wells). It has been suggested that it is the leading worldwide cause of deaths and that it accounts for the deaths of more than 14,000 people daily.

[] An estimated 700 million Indians have no access to a proper toilet, and 1,000

Indian children die of diarrhea sickness every day. 3] Some 90% of chinaa(=tm s cities suffer from some degree of water and nearly 500 million people lack access to safe drinking water.5] in addition to the acute problems of water pollution in developing countries, developed countries continue to struggle with pollution problems as well.

In the most recent national report on water quality in the united States, 45 percent of assessed stream miles, 47percent of assessed lake acres, and 32 percent of assessed bays and estuarine square miles were classified as polluted. 6] water is typically referred to as polluted when it is impaired by anthropogenic contaminants and either dose not support a human use, such as drinking water, and/or undergoes a marked haft in its ability to support its constituent biotic communities, such as fish.

Water Pollution
Water Polluting Chemicals and
Water Purification Techniques

ABSTRACT

Water is a polar solvent that comprises of two hydrogen and single oxygen molecule. It is obligatory for all organisms living on earth. Water is present on earth in different forms and found everywhere. The human and plant cells contains high water contents in the cytoplasm and maintains the temperature of the body. It is necessary for all the physical and chemical activities of the body and metabolic reaction do not take place without it. The water pollution is a major problem in Indian and other. The direct drainage of the pollutants into water resources causes the water to become heavily polluted. The photosynthesis, main process by which the green plants prepare their food is accomplished by water and in human water plays very significant role in different metabolic and biochemical reaction. Human body contains nearly 70% of water. So, the earth surface water needs to be purified by sterilizing processes.

The drinking of polluted water may also causes the several diseases in humans. The water treatment plants are now a day cleaning the drinking water and also the water used for household purposes.

CONCLUSION

Water pollution stems from many sources and causes, only a few of which are discussed here. Rivers and streams demonstrate some capacity to recover from the effects of certain pollutants, but lakes, bays, ponds, sluggish rivers, and oceans have little resistance to the effect of water pollution. We have a long history of introducing pollution into aquatic environments, and have had only partial success at repairing the damage that has already been done and curbing the activities that result in environmental degradation. Nonpoint source pollution continues to be a serious threat to receiving waters, as does the continued release of sewage and industrial effluents throughout the world. As we have seen with mercury contamination in fishes, environmental pollution can have widespread and lasting consequences.

AIM OF WORK WATER POLLUTION

The ultimate aim of the work is to provide a clearer picture of the processes that drove evolution of the human brain we talk about our existence .The human body needs water for the day survival .our daily activities are incomplete without water .Whether we talk about getting up in the morning to brush or cooking our food , it is equally important .This domestic use of water makes us very dependent on this transparent chemical.

Observation of water pollution

Air pollution is the introduction into the atmosphere of chemicals, particulates, or biological materials that cause discomfort, disease, or death to humans, damage other living organisms such as food crops, or damage the natural environment or built environment. The atmosphere is a complex dynamic natural gaseous system that is essential to support life on planet Earth. Stratospheric ozone depletion due to air pollution has long been agonized as a threat to human health as well as to the Earth's ecosystems.

Essay Example on observation of water pollution project

Indoor air pollution (see Airlock) and urban air quality are listed as of the world's worst Toxic pollution problems in the 2008 Blacksmith Institute world's worst pollution places report. Air pollution control procedures are increasingly an important part of civic administration, although their goals are far from easy to achieve. It is also noticeable that although many urban concentrations of primary pollutants, for example, smoke and sulfur dioxide, are on the decline in developed countries, this is not always true in evolving countries.

Acknowledgement

The rapid development of cities and consequent population Explosion in urban areas has led to depletion of surface water Resources. For fulfillment of daily water requirement , indiscriminate Pumping of ground water is being resorted to. Leading to lowering Of ground water table. At the same time the rain water is not Being conserved which ultimately goes waste. To avoid this Imbalance, conservation of rain water in the form of rain water Harvesting is the only solution.

Rain water harvesting can be effectively implemented in our office and residential complexes for conservation of rain water .the subject has assumed in Indian railway works Manual 2000 vide correction slip no. 10 dated 17.02.05 also .This publication is an attempt to compile all the relevant information regarding various methods commonly in use .These methods can be used by field engineers for designing and implementing Rain water Harvesting systems.

**BIBLIOGRAPHY OF
WATER POLLUTION BENEFITS AND COSTS**

The attached computerized bibliography of water pollution control benefits

and costs was developed for the Environmental Protection Agency by Development

Planning and Research Associates, Inc.

It was developed as one part of a project which is directed toward extrapolating regional estimates of water quality enhancement programs in order to arrive at preliminary national estimates of water pollution control benefits and costs.

Stage 1 OF This project required the performance of a literature search of published research in this field and the development of a computerized bibliography of published research in this field. The bibliography includes approximately 3,000 relevant references, alphabetized by author and constitutes the most extensive literature search available on this subject. The references listed have been screened and are considered relevant to the problems inherent in estimating water pollution control benefits and costs.

The attached glossary of abbreviations of literature sources and terms identifies those used in the bibliography.