

RANIGANJ GIRL'S COLLEGE

ENVIRONMENT STUDIES

ENGLISH HONOURS

SEMESTER-I

UNIVERSITY ROLL NO.-

UNIVERSITY REG. NO.-

113211210114 YEAR-2021-22

COLLEGE ROLL NO.- BA085

Raniganj Girls' College

Course Name: Environment Studies

Course Code: AEE101

Topic of the project: Air pollution in my locality

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 in my locality” 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: 18.03.2022



Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department

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AIR POLLUTION
IN THE AREA OF
JK NAGAR
AND ITS
QUALITATIVE MEASURE-
MENT

OBJECTIVE

1. Our objectives for doing this project is to express our disapproval of air pollution as it has been the biggest cause of global warming so far. Things like greenhouse gasses and car exhaust are the most common causes for air pollution.
2. Although Singapore is not causing so much air pollution, there are countries like China which produces a lot of air pollution.
3. If we do not stop air pollution, the icecaps in the north pole will eventually melt and the sea level will rise, thus flooding the low lying countries.
4. All of us have a part to play! Air pollution is also destroying the Ozone Layer and lots of animals thus we want to reduce it.
5. We think that by doing a campaign, we can warn people of the cons of air pollution and tell them what they can do to stop it.

INTRODUCTION

Air pollution worldwide is a growing threat to human health and the natural environment. Air pollution may be described as contamination of the atmosphere by gaseous, liquid, or solid wastes or by products that can endanger human health and welfare of plants and animals, attack materials, reduce visibility, or produce undesirable odors. The air pollution problem is encountered outdoor as well as indoor. Mobile, stationary, area, and natural sources all emit pollution into the air. This chapter covers the following topics: history of air pollution, the various common air pollutants and their sources, and an emission inventory.

CAUSES OF AIR POLLUTION

The human activities that result in air pollution include:

1. **Industry**: Industries are a major contributor to air pollution. Industrial processes discharge pollutants such as nitrous oxide and hydrochlorofluorocarbons into the air. Petroleum refineries also liberate lots of hydrocarbons into the air. The Agricultural practices like livestock rearing and landfills also add to atmospheric methane concentrations. The overall effect is amplification in the global warming probability.

2. **Household and Farming Chemicals**: Fumigating homes, crop dusting, painting supplies, household cleaning products over the counter insect/pest killers, fertilizer dust, all of these emit harmful chemicals into the air and lead to pollution. In many cases, when we use these chemicals at offices or homes with no or little ventilation, we may fall sick if we breathe them in for an extended period of time.

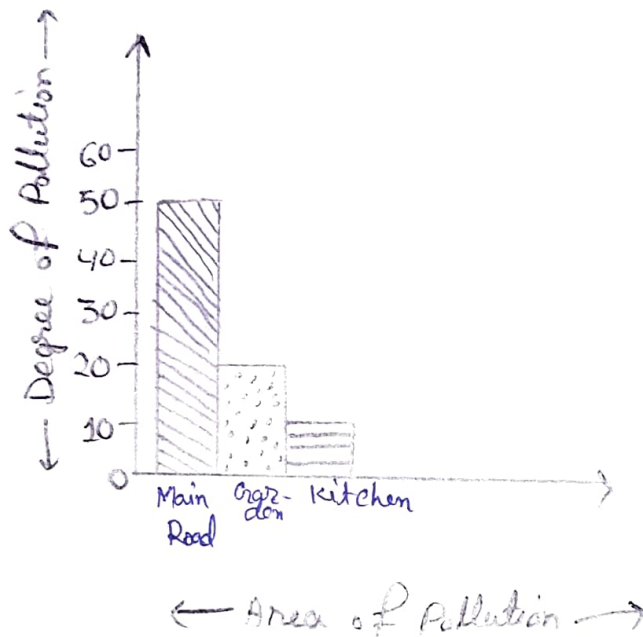
3. **Vehicle Emissions**:- Vehicle emissions are another source of fossil fuel emissions which invariably leads to air pollution. Cars, heavy duty trucks, shipping vessels, trains, and airplanes all burn lots of fossil to work. Emissions from automobile engines hold both primary and secondary pollutants.

DATA TABLE OF AIR POLLUTION
IN OUR LOCALITY
JK NAGAR

Area of Air Pollution	Degree of Air Pollution	Scale
Road side	High Pollution	50
Ground Garden	Minimum Pollution	10
Kitchen	Moderate Pollution	20

DIAGRAMATIC REPRESENTATION OF DEGREE OF POLLUTION IN THREE DIFFERENT AREA

Showing the Air's pollution in our locality (JK. Nagar)



Scale

1 cm to 1°

Index

-  Main Road
-  Garden
-  Kitchen

INTERPRETATION

The area we live is full of greenery so air pollution level is not the matter of thought to us. Where air pollution is mainly found are -

- i) Main Road
- (ii) Home

☑ As per my survey on vehicles the pollution level of those places are follows -

i) Main road - 50

ii) Home - 20

iii) Garden - 10

☑ The place where I live has a lot of traffic on the main road and a colony have sprung and high pollution levels on the main road. There are a number of trees in the home and my home is far from the main road. So the level of pollution in the home is low.

CONCLUSION

- Air pollution is often the most obvious and widespread type of pollution.
- Health effects of these pollutants include respiratory diseases, birth effects, heart attacks, cancer and developmental disabilities in children. Environmental impacts include destruction of stratospheric ozone, poisoning of forests and waters by acid rain, and corrosion of building materials.
- We have made encouraging progress in controlling air pollution, progress that has economic benefits as well as health benefits.

REFERENCE

- W.W.W. wikipedia.org.
- Environmental education by Dr. Jain. P.K
- W.W.W. environmental pollution centers.org.

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my respected professor Buddhadev Mallick, Department of Zoology, Raniganj Girls' College, for his sincere support and co-operation in the preparation of this project on air pollution in the area of J K Nagar and its Quantative measurement in Environment studies, semister-1.

Date - 15.03.2022

Signature of student

Shampa Maji

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18-03-22