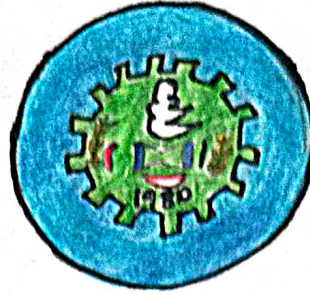


IRANIGANJ GIRL'S COLLEGE



ENVIRONMENT STUDIES  
PROJECT  
ENGLISH PROGRAM  
SEMESTER-1

UNIVERSITY REGISTRATION NO:-  
KNU113211110055      YEAR-21-22  
COLLEGE ROLL NO:- 583



## **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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SONDHYA KUMARI YADAV	KNU113211210180
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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 PANJAVESWAR AND ITS QUALITATIVE MEASUREMENT



# INTRODUCTION

Air pollution is the presence of substances in the atmosphere that are harmful to the health of humans and other living beings, or cause damage to the climate or to materials. There are different types of air pollutants. Several gases (such as ammonia, carbon monoxide, sulfur dioxide, nitrous oxides, methane and chlorofluorocarbons) particulates (both organic and inorganic) and biological molecules. Air pollution may cause diseases, allergies and even death to humans; it may also cause harm to other living organisms such as animal and food crops, and may damage the natural processes can generate air pollution. Reduction of burning fossil fuels, use of electronic vehicles, reforestation etc. can reduce air pollution to a major extent. Harnessing renewable sources of energy helps to keep the environment clean and healthy.

# CAUSES OF POLLUTION

FOLLOWING ARE THE IMPORTANT CAUSES OF AIR POLLUTION

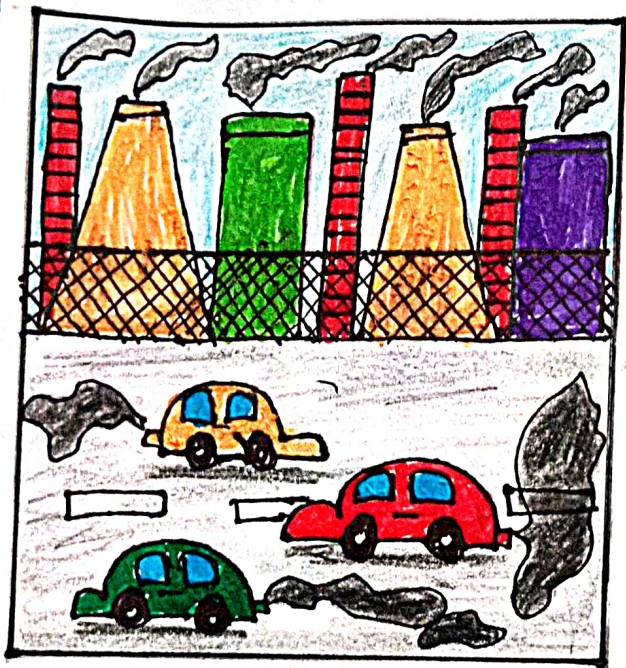
## (i) Factories and Industries:

Factories and industries are the main source of carbon monoxide, organic compounds, hydrocarbons and chemicals. These are released into the air, degrading its quality.



## (ii) Vehicular Exhaustion:

Cars, trucks and other vehicles with engines cause air pollution. The exhaust from these contains carbon monoxide. This type of air pollution causes respiratory health problems and holes in the ozone layer, which increases the exposure to the sun's harmful rays.



## (iii) Burning of Fossil Fuels:

The combustion of fossil fuels emits a large amount of sulphur dioxide. Carbon monoxide released by incomplete combustion of fossil fuels also results in air pollution.



# OBJECTIVE

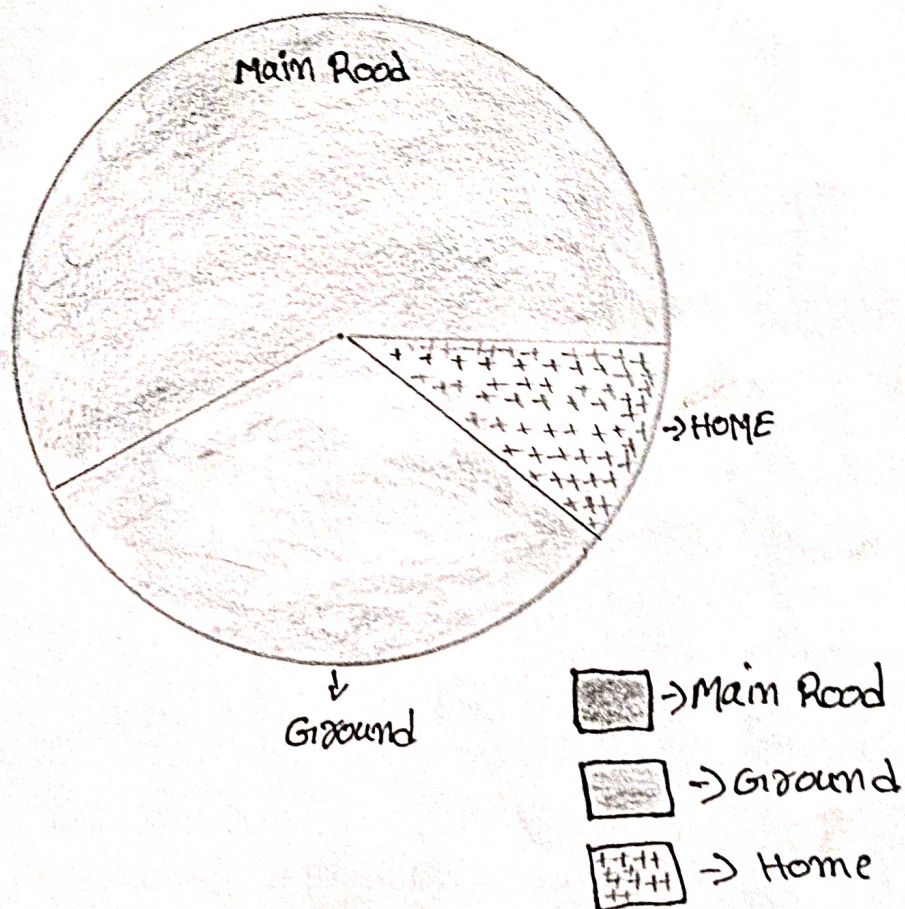
- Our objectives for doing this project is to express our disapproval of air pollution as it has been the biggest cause of global warming so far. Things like green house gases and cars are the most common causes for air pollution.
- protect and enhance the quality of air resources and also protect public health and welfare while fostering a beneficial productive capacity.
- prevention, control and abatement of air pollution.
- 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. It will kill many animals like polar bears.
- Air pollution is also destroying the ozone layer and loss of animal species we want to reduce it.





# Diagrammatic Representation of Pie chart of Pollution in Three Different Areas

SHOWING THE AIR POLLUTION IN OUR LOCALITY (PANDAVESWAR)



# EXPERIMENT

## SET UP

## FORMATION

Air pollution is a mixture of solid particles and gases in the air. car emissions, chemicals from factories, dust, pollen and mold spores may be suspended particles.

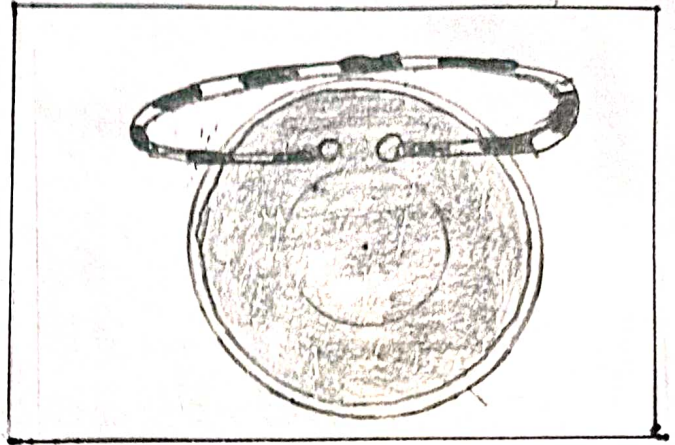
\* Today I do air pollution experiment. So, I need some necessary things as —

- (i) Tree paper plate
- (ii) A Vaseline
- (iii) Three long tape

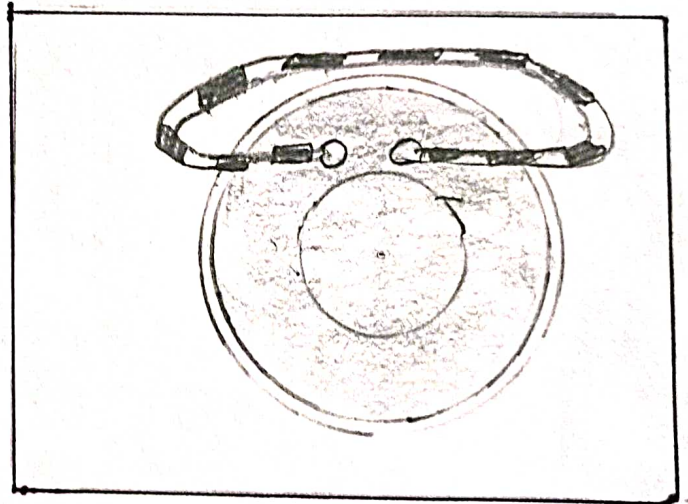
\* At first, I do two holes in one paper plate. Similarly four holes make in other two paper plate. Then take a long tape. There fore put the tape in this hole in those plate. After this the front side of this take three plate apply the vaseline in whole of the front side in those paper plate. then we need find a place where you can take and also catch the pollution. I think that this project must be done at near our main road. play ground and home.

# AIR POLLUTION IN DIFFERENT PLACES:

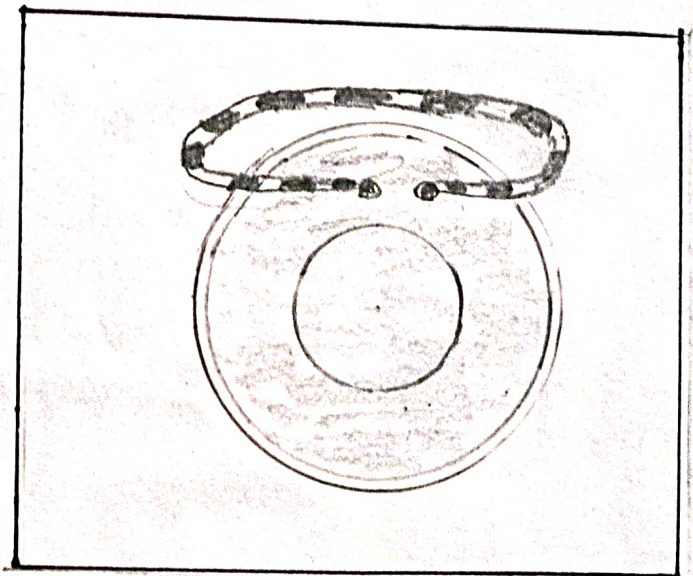
MAIN ROAD →



PLAYGROUND →



HOME →



# INTERPRETATION

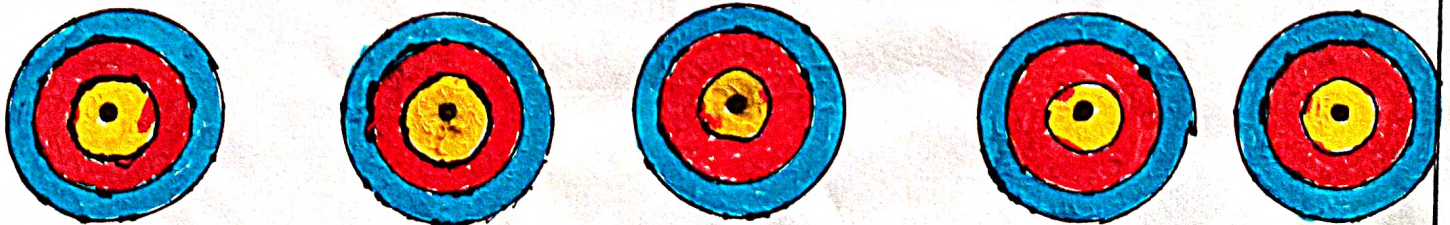
The area we live is full of greenery so air pollution level is not the matter of thought to us. where air pollution is mainly found

- i) Main roads
- ii) play ground
- iii) Home

□ As per my survey and vehicles the pollution level of those places are as follows-


- i) Main road -  $90^{\circ}$  (Greatest)
- ii) play ground -  $58^{\circ}$
- iii) Home -  $30^{\circ}$  (Lowest)

□ The place where I live has a lot of traffic on the main road and resulting in high pollution levels on the main road. So the amount of pollution from the main road near is a bit less. 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.



# CONCLUSIONS

## (I) INFERENCE



• Air pollution is a major environmental issue. It can affect the health and life support systems as well. Since clear air is an essential factor of life for respiration, it is necessary to prevent the sources of air pollution.

- Air pollution is often the most obvious and wide spread type of pollution.
- Health effects of these pollution include respiratory diseases, birth defects, heart attacks, cancer, and developmental disabilities in children.
- Environment impacts include destruction of stratospheric ozone, poisoning of building materials.
- We have made encouraging progress in controlling air pollution. progress that has economic benefits as well as health benefits.

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Date :- 15.03.2022

Signature of Student  
Shayma Khatoon

Examined  
18-03-22