

ENVIRONMENT STUDIES
PROJECT
ENGLISH PROGRAMME
1ST SEMESTER

UNIVERSITY ROLL No. -

UNIVERSITY REGISTRATION No. -

KNV113211110177

YEAR - 21-22

COLLEGE ROLL No. - B.A. 305

NAME - KHUSHBU KUMARI

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)

Name of the student	Registration Number
INDRANI AKHULI	KNU113211210148
SANSKRITI PANDIT	KNU113211210015
AMBIKA KUMARI SHARMA	KNU113211210202
SHAYMA KHATUN	KNU113211210055
KHUSHI KUMARI	KNU113211210016
ISHIKA SINGH	KNU113211210277
KUMARI ANJALI SHAW	KNU113211210025
KHUSBU KUMARI	KNU113211210177
SOMA DAS	KNU113211210093
RIMI GHOSH	KNU113211210212
JAGRITI ANKURA	KNU113211210119
SONIYA RAUT	KNU113211210030
SONDHYA KUMARI YADAV	KNU113211210180
RIZVI PARVEEN	KNU113112101117
MONISHA DHIBAR	KNU113211210132
DIBYA KOIRI	KNU113211110173
MUSKAN KHATUN	KNU113211110167
KANCHAN KUMARI NONIA	KNU113211210010
NISHA PASWAN	KNU113211210029
RITA SHAW	KNU113211210257
SHAMPA MAJI	KNU113211210114
ASHAPURNA GHOSH	KNU113211210134
SWETA PASI	KNU113211210273
ANJALI YADAV	KNU113211210002

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.

Name of the student	Registration Number
INDRANI AKHULI	KNU113211210148
SANSKRITI PANDIT	KNU113211210015
AMBIKA KUMARI SHARMA	KNU113211210202
SHAYMA KHATUN	KNU113211210055
KHUSHI KUMARI	KNU113211210016
ISHIKA SINGH	KNU113211210277
KUMARI ANJALI SHAW	KNU113211210025
KHUSBU KUMARI	KNU113211210177
SOMA DAS	KNU113211210093
RIMI GHOSH	KNU113211210212
JAGRITI ANKURA	KNU113211210119
SONIYA RAUT	KNU113211210030
SONDHYA KUMARI YADAV	KNU113211210180
RIZVI PARVEEN	KNU113112101117
MONISHA DHIBAR	KNU113211210132
DIBYA KOIRI	KNU113211110173
MUSKAN KHATUN	KNU113211110167
KANCHAN KUMARI NONIA	KNU113211210010
NISHA PASWAN	KNU113211210029
RITA SHAW	KNU113211210257
SHAMPA MAJI	KNU113211210114
ASHAPURNA GHOSH	KNU113211210134
SWETA PASI	KNU113211210273
ANJALI YADAV	KNU113211210002

Place: Raniganj

Date: 18.03.2022



Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department

INDEX

<u>TOPIC</u>	<u>PAGE No.</u>
1. Title of the project	01
2. Introduction	02-03
3. objective	04
4. Data collection/ Experimental setup	05-06
5. Data Analysis/ observation	07-08
6. Data interpretation	09
7. conclusion/ Inference	10
8. Reference/ Bibliography	11
9. Acknowledgment	12

Road Pollution In The Area Of Jamuria And Its Qualitative Measurement



INTRODUCTION

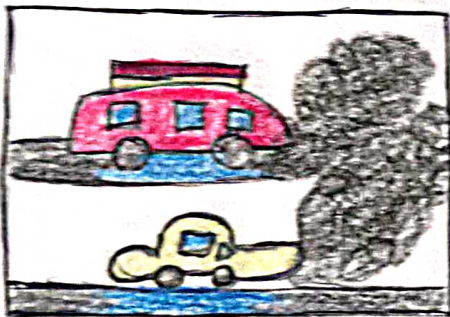
Air Pollution is the Presence of Substances in the atmosphere that are harmful to the health of human and other living beings, or cause damage to the climate or to materials. There are different types of air pollutions, such as gases (such as ammonia, carbon monoxide, sulfur dioxide, nitrous oxides methane and chlorofluoro-carbons) 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 animals and food crops, and may damage the natural or built environment. Both human activity and natural processes can generate air pollution. Reduction of burning fossil fuels, use of electronics 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 AIR 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.

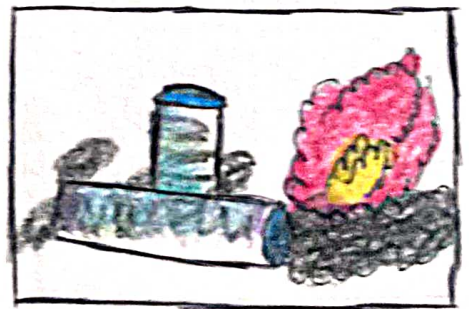


(ii) Vehicular Exhaustion:

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 greenhouse gases and car exhaust 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 ice caps 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 last we think that by doing a campaign we can aware people of the cons of air pollution and tell them what they can do to stop it.
- Air pollution is also disturbing the ozone layer and lost lots of animals thus we want to reduce it.

DATA TABLE OF AIR
POLLUTION IN OUR LOCALITY
JAMURIA

AREA OF AIR POLLUTION	UNIT OF AIR POLLUTION	SCALE IN CENTIMETRES
Main Road	4 AU	22 36
Home	2 AU	$\frac{22}{7} \times 36$

EXPERIMENTAL 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) Two paper plate.

(ii) A vaseline

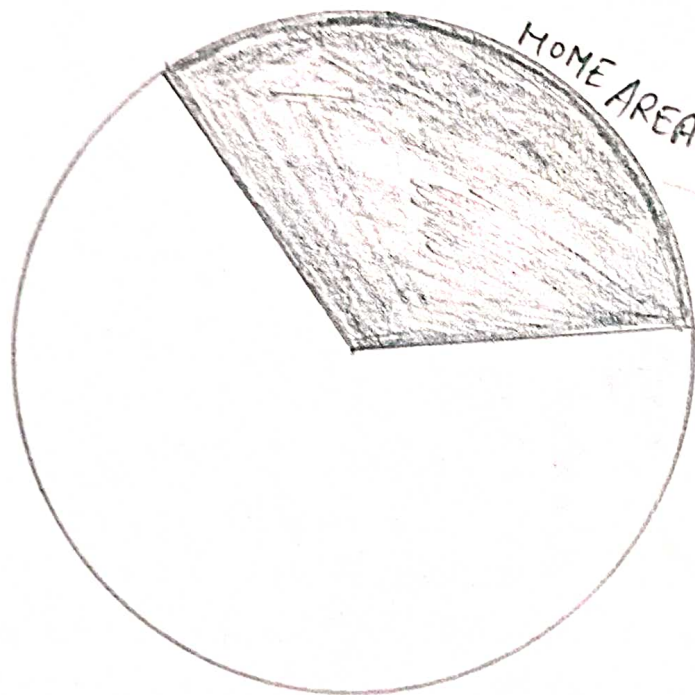
(iii) Two long tape.

■ At first, I do two holes in one paper plate. Similarly, four holes make in other two paper plate. Then take a long tape, therefore put the tape in this in hole in those plate. After this the front side of this two 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 and home.

DIAGRAMATIC REPRESENTATION OF PIE CHART OF POLLUTION IN TWO DIFFERENT AREA

Showing the air pollution in our Locality

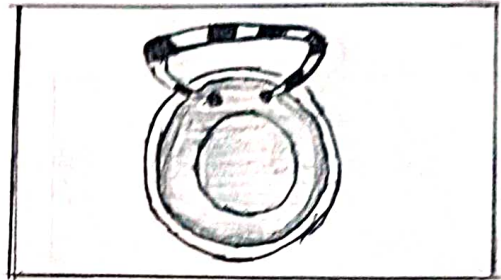
JAMURIA



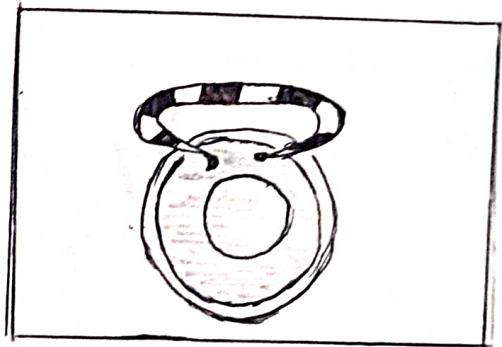
- Home Area
- Road Area

AIR POLLUTION IN DIFFERENT PLACES :

MAIN ROAD



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 are :-

(i) Main roads - 4 AU

(ii) Home - 2 AU

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

(i) Main road - 4 AU

(ii) Home - 2 AU

■ The place where I live has a lot of traffic on the main road and some factories have sprung up on both sides of the main road resulting in high pollution levels on the main road. Again the playground in this area is surrounded by green trees and the field is a bit away from the main road so the amount of pollution from the main road here is a bit less.

Therefore 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 OR INFERENCE

- Air pollution is a major environment 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 pollutants include respiratory diseases, birth defects, heart attacks, cancer, and developmental disabilities in children. Environment 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.

REFERENC / BIBLIOGRAPHY

- W.W.W. wikipedia . org .
- W.W.W. nrdc . org
- W.W.W. environmental pollution-centers.org.
- HTTP:// WWW. business dictionary . com/ definition/ air pollution html.
- Environment studies by Dr. Arish chaltopadhyay.
- Pollution in India - HTTP:// www. gitsgu. com/ env04. html.

ACKNOWLEDGEMENT


I would like to express my special thank of gratitude to my respected Professor, Buddhadev Mallick, Department of Zoology, Ranjanj Girl's collage, for his sincere support and co-operation in the preparation of this project on 'air pollution' in the area of "JAMURIA" and its Qualitative measurement in Environment Studies. Semester - I

Date: 14.03.2022

Signature of student

Khushbu Kumari

Examined


18-03-22