

KAZINAZRUL UNIVERSITY

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RANIGANJ GIRLS' COLLEGE

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ROLL NO - 496

STREAM - B.A POLITICAL  
SCIENCE HONOURS

## **Raniganj Girls' College**

**Course Name: Environment Studies**

**Course Code: AEE101**

**Topic of the project: 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 “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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Date: 18.03.2022

Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department



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**REGISTRATION CERTIFICATE**

*This is to certify that PUJA KUMARI MAHATO*

*Son/Daughter of BIRENDRA MAHATO*

*of RANIGANJ GIRLS' COLLEGE*

*is registered as a student of this University,*

*His/Her registration number is 113211210040 of 2021-22*



Registrar

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TOPIC

WATER

POLLUTION

IN

RANIGANJ

CITY

## \* What is water pollution ?

Water pollution is the contamination of water bodies, usually as a result of human activities, in such a manner that negatively affects its legitimate uses. Water pollution reduces that ability of the body of water to provide the ecosystem services that it would otherwise provide. Water bodies include for example lakes, rivers, oceans, aquifers, reservoirs and groundwater. Water pollution results when contaminants are introduced into these water bodies. Water pollution can usually be attributed to one of four sources: sewage, industry, agriculture, and urban runoff including stormwater.





for example, releasing inadequately treated wastewater into natural waters can lead to degradation of these aquatic ecosystems. water pollution can also lead to water-borne diseases for people using polluted water for drinking, bathing, washing or irrigation. supplying clean drinking water is an important ecosystem service provided by some freshwater systems, but approximately 785 million people in the world do not have access to clean drinking water because of pollution.

# Water pollution in Raigarh city

Municipal consists of the faeces and nitrogenous wastes of animals. It is rich in organic matter and nitrogen compounds.

Due to the discharge of untreated or partially treated sewage into the drinking water resources, such as rivers, lakes, etc and as it is allowed to accumulate, it will have serious effects in the ecosystem. Bacteria will proliferate causing depletion of oxygen content of the water as they use up oxygen and increase the amount of toxic nitrogen compounds.

Treated and untreated discharges from fertilizer factories, distilleries,



paper mills, etc, are capable of causing dangerous water pollution there is a depletion in the oxygen content of water. these wastes alter the temperature of the water and change colour of the water which sometimes becomes turbid and the surface water is covered with oil-film

The discharge of heat from power station, raises the temperature of the water of river, stream, lake, estuaries etc.

## \* Water pollution Sources \*

Many human activities can adversely affect the quality of our rivers, lakes, seas and groundwater. Water quality is influenced by direct inputs, such as from a factory or sewage treatment plant so-called "point source treatment plant pollution". It is also influenced by pollution from widespread sources, such as nutrients and pesticides from farming activities and ~~pest~~ pollutants released by industry into the air which then fall back to land and sea, so-called "diffuse pollution". The main point source of pollution to water is from sewage and waste water treatment while for diffuse pollution main sources are



from farming and fossil fuel power plants (via the air) Note the while sewage treatment plants are identified as a "point source", they are not the actual source as they treat are not the actual source  
as they treat we put down our toilets and sinks

# Measures to Control water pollution

- Reduce the use of chemicals when cleaning
- practice water conservation
- Dispose of your medications properly
- Avoid the use of pesticides and herbicides
- Avoid water polluting recreational activities
- Disposing Items into the toilet
- Maintain your car
- Carry out these practices everywhere





## 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 pollution, but lakes, bays, ponds, sluggish rivers, and oceans have little resistance to the effects of water pollution. We have a long history of introducing pollutants into aquatic environments, and have had only partial success at repairing the 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 pollution  
can have widespread and lasting consequences.

# ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher Moumita pal as well as our principal Dr. Chhabi De who gave me the golden opportunity to do this wonderful project on the topic water pollution in ~~and~~ Patna city which also helped me in doing a lot of research and I came to know about so many new things.

I am really thankful to them.

Secondly I would also like to thank my parents and friends who helped me a lot in finishing this project within the limited time.

I am making this project

not only for marks but to also increase  
my knowledge

THANKS AGAIN TO ALL WHO HELPED  
ME.



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Teacher's Signature