



*Renuka Shikshan Prasarak Mandal's*

# RENUKA COLLEGE

Near Bank of India, Besa, Nagpur

Accredited 'B ++' Grade with 2.93 CGPA by NAAC, Bengaluru

Permanently Affiliated to RTM Nagpur University

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Website: [www.renukacollege.org](http://www.renukacollege.org)

President: - Shri Himanshu E. Gedam

Contact no. : 8149051026

Officiating Principal: - Dr. Atul Mahajan

Contact no. : - 8237059575



## CRITERION I

### KEY INDICATOR 1.3

#### METRIC 1.3.2

2023-2024

#### INDEX

01. Notices

02. Environmental Science PPT & Project (EVS)

03. EVS Question Paper (Evaluation)

04. B.A-II 4<sup>th</sup> Sem. Students EVS Grade List (Evaluation Sheet)

05. B.Com- II 4<sup>th</sup> Sem. Students EVS Grade List (Evaluation Sheet)

06. University Mark Sheet with EVS Grade

  
IQAC Coordinator  
Renuka College,  
Besa, Nagpur-37



  
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Renuka College  
Besa Near BOI, Nagpur.



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## EVS Project Report 2023-2024

### Notice

रेणुका शिक्षण प्रसारक मंडळ, नागपूर द्वारासंचालित

रेणुका कॉलेज

बँक ऑफ इंडीया जवळ बेसा, नागपूर. दुरध्वनी क्र. ०७१०३२८१४७७

Website: [www.renuacollege.org](http://www.renuacollege.org) Email :- [renukamv.ngp@gmail.com](mailto:renukamv.ngp@gmail.com)

प्राचार्य :- डॉ. अतूल महाजन प्रमुख :- डॉ. संतोष मेंडेकर  
संपर्क :- ८२३७०५१५७५ संपर्क :- ९८६००१५०२५

दिनांक:- १८/०३/२०२४

पर्यावरण अध्ययनशास्त्र (Environment Science)  
सुचना

सत्र २०२३-२४ मधील प्रवेशित महाविद्यालयाच्या सर्व B.A.-II व B. Com.-II चे विद्यार्थी जे 4<sup>th</sup> Sem. च्या विद्यापीठाच्या परिक्षेत बसणार आहे. त्यांना सूचित करण्यात येतेकी, पर्यावरण अध्ययनशास्त्र (Environment Science) विषयाचा प्रकल्प (Project) विद्यापीठाच्या निर्देशानुसार तयार करणे अनिवार्य आहे. आणि तो दि. ३०/०३/२०२४ पर्यंत डॉ. संतोष मेंडेकर(समाजशास्त्र विभाग) यांच्याकडे जमा करावे.

टिप:

- प्रकल्प (Project) चा विषय आहे जैवविविधता (Biodiversity)
- प्रकल्प (Project) प्रोजेक्ट-वही किंवा PPT च्या माध्यमातून जमा करू शकता.
- EVS विषयाचा अधिक माहिती करीता डॉ. संतोष मेंडेकर यांच्याशी संपर्क साधावा. (PPT या Whats-up नंबर वर पाठवू शकता 8788968622)

प्रा. संतोष मेंडेकर  
रेणुका कॉलेज, बेसा, नागपूर  
Associate Professor  
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रेणुका शिक्षण प्रसारक मंडळ, नागपूर द्वारा संचालित

## रेणुका कॉलेज



बँक ऑफ इंडीया जवळ बेसा, नागपूर. दुरध्वनी क्रं. ०७१०३२८१४७७

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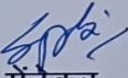
प्राचार्य :- डॉ. अतूल महाजन  
संपर्क :- ८२३७०५९५७५

प्रमुख :- डॉ. संतोष मंडेकर  
संपर्क :- ९८६००१५०२५

### पर्यावरण अध्ययनशास्त्र (Environment Science) प्रकल्पाचा (Project) विषय आहे जैवविविधता (Biodiversity)

प्रकल्पाचा प्रारूप	Project Format
प्रस्तावना	Introduction
विषय निवडीचे कारणे	Reasons for topic selection
विषयाचे महत्व	Importance of Topic
विषया संबंधी संकलीत केलेली माहिती: जसे प्रकार, फायदे-तोटे, कारणे, परीणाम, उपाययोजना	Topic related collective information: Types, Advantage-Disadvantage, Causes, Effect, Solution
निष्कर्ष	Conclusion
संदर्भ	Reference

प्रकल्प (Project) मराठी, हिंदी, English यापैकी कोणत्याही एका भाषेत वरील निर्देशानुसार तयार करणे अनिवार्य आहे. आणि तो दि. ३०/०३/२०२४ पर्यंत डॉ. संतोष मंडेकर यांच्याकडे जमा करावे.

  
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## Environment Science PPT/ Project

### PPT -1 WATER POLLUTION

## ENVIRONMENT SCIENCE

### जल प्रदूषणाविषयी संपूर्ण माहिती

विश्वाला भेडसावत असलेल्या समस्या ती म्हणजे प्रदूषण, प्रदूषणामुळे निसर्गाला मोठ्या प्रमाणात त्रास होत आहे आणि निसर्गाला त्रास होणे म्हणजे अप्रत्यक्षपणे पृथ्वीवर राहणाऱ्या सजीवांना प्रदूषणाचे अनेक प्रकार पाहायला मिळतात जसे, मृदा प्रदूषण, ध्वनी प्रदूषण, जल प्रदूषण



  
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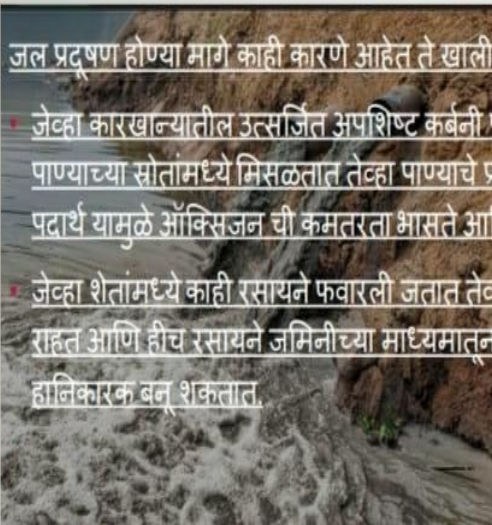


## प्रदूषण म्हणजे काय ?

- प्रदूषणामुळे पर्यावरणाला जी हानी पोहचते ,त्याला आपण प्रदूषण म्हणतो,आजच्या काळात प्रदूषणाला कमी करणासाठी त्यावर उपाययोजना करण्याकबी या आवश्यकता आहे प्रदूषणाला मुख्यतः तीन प्रकारांध्ये विभागल्या गेले आहे,ते असे जल प्रदूषण आणि ध्वनी प्रदूषण त्यानंतर मृदा प्रदूषण आणि बाकी प्रदूषणाचे प्रकार येतात
- जल प्रदूषण म्हणजे काय ?

मानवी कृत्यांमुळे पाण्याच्या नैसर्गिक गुणवत्तेमध्ये झालेलं बदल,आणि तेच पाणी जेव्हा सजीवांना पिण्यायोग्य राहत नाही तेव्हा ते जे प्रदूषण होते तेव्हा त्या प्रदूषणाला जल प्रदूषण असे म्हणतात.

## जल प्रदूषणाची कारणे व परिणाम



जल प्रदूषण होण्या मागे काही कारणे आहेत ते खालीलप्रमाणे:

- जेव्हा कारखान्यातील उत्सर्जित अपशिष्ट कर्बनी पदार्थ मलवाहित्यातून नदी,समुद्र,आणि इतर पाण्याच्या स्रोतांमध्ये मिसळतात तेव्हा पाण्याचे प्रदूषण होते जलाशयातील सजीवांना या कार्बनी पदार्थ यामुळे ऑक्सिजन ची कमतरता भासते आणि त्यांचा मृत्यू होतो
- जेव्हा शेतांमध्ये काही रसायने फवारली जातात तेव्हा त्या रसायनांचा काही अंश हा जमिनीतच राहत आणि हीच रसायने जमिनीच्या माध्यमातून पिण्याच्या पाण्यात येऊन आपल्यासाठी हानिकारक बनू शकतात.

  
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- सांडपाणी आणि मलमूत्र यामुळे सुद्धा जलप्रदूषनाच सामना करावा लागतो. जेव्हा मानवी वस्तीमधील मलमूत्र आणि सांडपाणी नदी आणि तलावात मिसळते तेव्हा ते पाणी पिण्यायोग्य राहत नाही आणि ते पाणी जर चुकून पिण्यात आले तर त्यामुळे जतबर आणि पोटाच्या आतड्यांचे आजार होतात
- बरेचदा खनिजतेल समुद्राच्या मार्गाने ने आण केल्या जाते तेव्हा त्यातील काही तेलाच्या टाकी गळतात तेव्हा खनिजतेल समुद्राच्या पृष्ठभागावर जमा होते आणि यामुळे समुद्रातील सजीव मरण पावतात, सोबतच समुद्रातील वनस्पती सुद्धा नष्ट होतात

  
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## जल प्रदूषणावर उपाय:

- जेव्हा करखाण्यातील उत्सर्जित अपशिष्टे कार्बनी पदार्थ बाहेर पडतात तेव्हा त्याच्यावर योग्य प्रक्रिया करून योग्य प्रकारे बाहेर टाकावे जेणेकरून बाहेरील पर्यावरणाला त्याची हानी होणार नाही
- शेतांमध्ये जेवढ्या प्रमाणात सेंद्रिय खते आणि शेणखताचा वापर होईल तेवढे चांगले. त्यामुळे होणारे पाण्याचे प्रदूषण रोखण्यासाठी मदत होईल
- मानव वस्तीमधील सांडपाण्याचे योग्य व्यवस्थापन करावे. आणि पाण्यात सोडण्यापूर्वी त्यावर विशेष क्रिया करून नंतर सोडावे
- खनिज तेलाच्या गळतीमुळे होण्याच्या जल प्रदूषणाला उपाययोजना कराव.

- पिण्याच्या पाण्याचे योग्य परीक्षण करणे आणि नसंतर पिण्यासाठी वापरणे.
- किरणोत्सारी अपशिष्टांनापअन्यात सोडण्यापेक्षा एखाद्या ठिकाणी बंदिस्त करून ठेवण्याच्या पद्धतीवर भर देणे.



## THANK YOU

  
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## Project -2 GLOBAL WARMING

Topic	Date	Page	
<h3>Index</h3>			
Sr.No	Name of Practical	Page No.	Sign
1	<u>Global Warming</u>		
*	Meaning	1	
*	What is global warming	1/	
*	Advertisements	2	
*	Origin of global warming	3	
*	Causes of global warming	4	
*	Sea level rising	5	
*	Effects of global warming	6/7	
*	Control of global warming	8/9	
*	Conclusion	10	
*	Response to global warming	11	

  
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Global Warming

Date \_\_\_\_\_ Page \_\_\_\_\_

# Global Warming

Meaning :

The term "global warming" refers to the increase in the average temperature of global surface air and oceans since about 1950, and to continuing increases in those temperatures.

What is global warming?

Global warming refers to the rising average temperatures of Earth's atmosphere and oceans which started to increase in the late 19<sup>th</sup> century and is projected to keep going up since the early 20<sup>th</sup> century. Earth average surface temperature has increased by about 0.8 C (1.4 F). With about two thirds of the increase occurring since 1980 warming of the climate system is unequivocal, and scientists are more than 99.9% certain that most of it is caused by increasing concentration of product by

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Topic	Date	Page
human activities such as deforestation and burning fossil fuels. These findings are recognized by the national science academies of all the major industrialized nations.		
<u>Advertisements:-</u>		
Greenhouse gases, being lighter than air, naturally rise up the outer limits of the earth's atmosphere & then settle there, creating an impenetrable barrier that traps heat from being able to escape into space & warming the temperature.		
Greenhouse gases are defined as "gaseous constituents of the atmosphere, both natural & anthropogenic, that absorb & emit radiation at specific wavelengths within the spectrum of thermal infrared radiation emitted by the earth's surface, the atmosphere itself & by clouds."		
Gases, such as carbon dioxide ( $\text{CO}_2$ ), methane ( $\text{CH}_4$ ), water vapour, &		

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Topic

Date

Page

fluorinated gases, act like a green-house gases around the earth.



## Origin of Global Warming:-

Global warming is the process, which started long & long ago. In order to understand when global warming began, we should look back for many & many years ago - in the times much earlier before human's devised international treaties & even much earlier before we learned to burn first fossil fuel, which was wood.

It was about the second half of the 20th century, when the global warming had become a talk of the town. In year 1997, the problem of global warming, or to be more exact the problem of human contribution into this natural phenomenon, was addressed officially, when the world's largest industrialized countries agreed to reduce greenhouse gases emissions as the effort to stop the rapid progression of the global warming.

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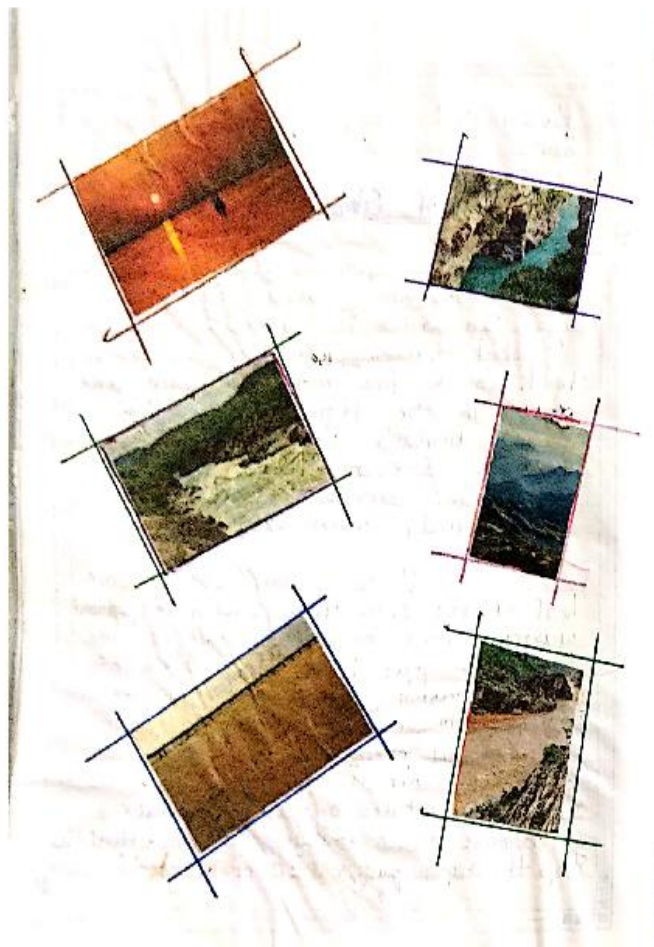
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Topic	Date	Page
<u>* Causes of Global Warming *</u>		
<u>* Temperatures</u>		
* Between the year 1860-1900 average temperatures have increased by 0.75 degrees celsius.		
* Over the past 100 years global temperatures have risen by 1.3 degrees.		
<u>* Weather in recent winters</u>		
* Recent winter was the warmest winter ever recorded in the history of the planet earth.		
* 10 out of the past 14 years are the warmest on record.		
<u>* Glacier &amp; Ice cap melting</u>		
* Evidence of global warming is very apparent in the recent melting of ice sheets.		
* A direct consequence from our polluting actions will be the disappearance of these vital glacier.		

  
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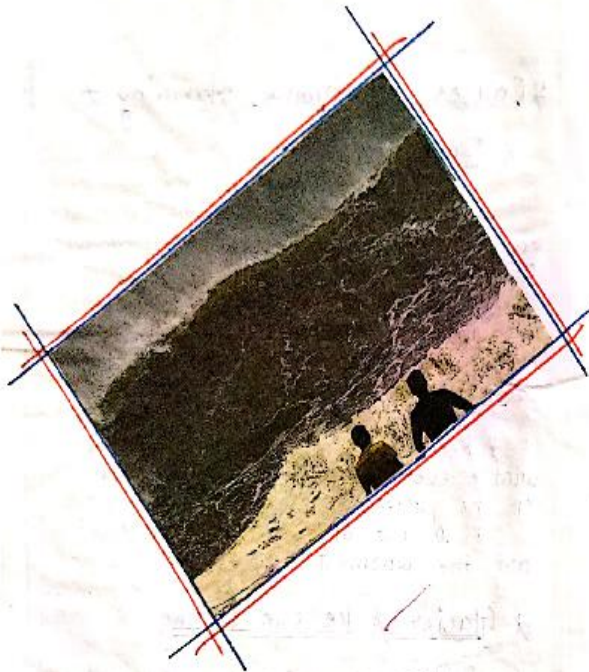
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Topic	Date	Page
* <u>Sea level rising</u>		
* Possibly the biggest threat brought by global warming is rapid sea level changes.		
* Both Greenland & Western Antarctica are depleting at shocking rates.		
* Not all of global warming's affects are unprecedented.		
Over the past century, our planet has slowly been warming up. Since the beginning of the 20 <sup>th</sup> century, the average temperature around the world has gradually risen by one degree Fahrenheit. Though this minimal warming might not seem so significant, but the overall impact will most certainly prove to be devastating if this continual warming process is not somehow abated.		
So, the global warming may cause by both naturally & anthropogenically.		

  
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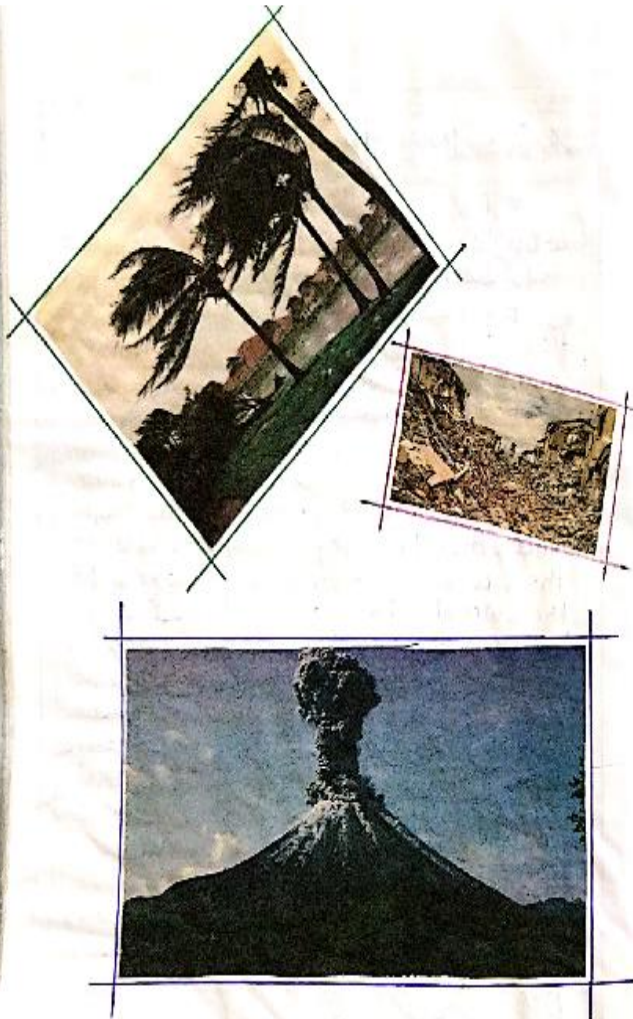
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Topic \_\_\_\_\_ Date \_\_\_\_\_ Page \_\_\_\_\_

\* Effects of Global Warming:

\* Effects of Global Warming on Polar Ice Caps:

The effects of global warming are strongest at the poles. Ice melt over the world melting. This includes the ice of mountain glaciers, Arctic sea ice & ice sheets covering west Antarctica & Greenland.

\* Cities such as Venice are starting to sink. Small islands such as Guyana are also starting to become submerged. The sea level is estimated to have increased at a rate of 0.1 to 0.2 inches per year according to 2001 report.

\* Effects of Global Warming on Weather:

\* Precipitation in the form of rain & snow has on average, increased across the whole world.

\* Irregular weather patterns have an effects on humans, Rain is not only an inconvenience for humans, but also damage human property. The

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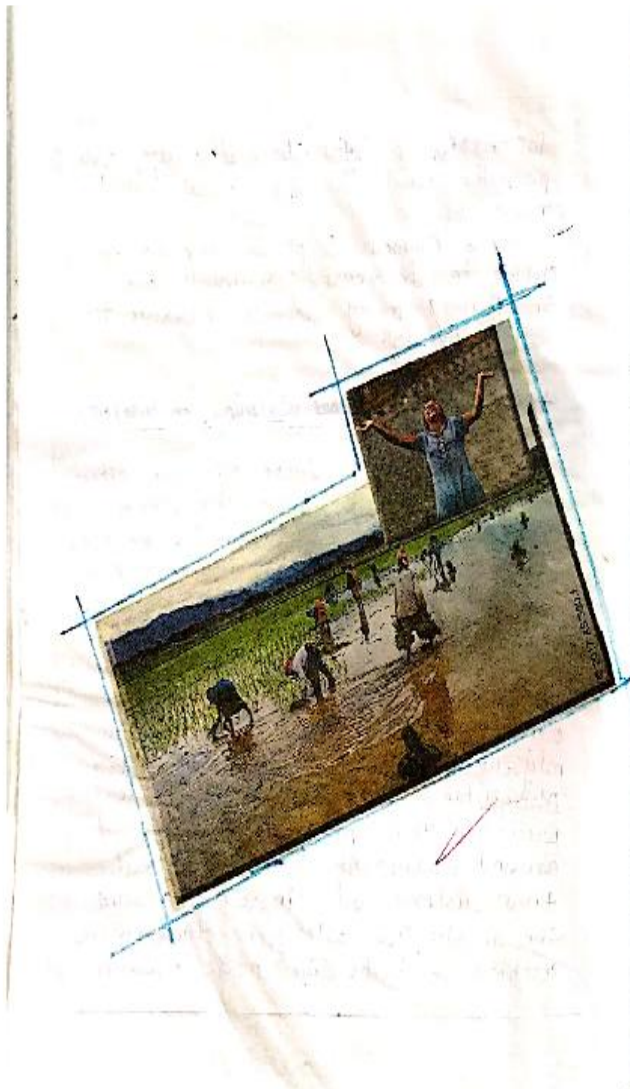
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Topic: \_\_\_\_\_ Date: \_\_\_\_\_ Page: \_\_\_\_\_

## Control of Global Warming

Global warming has become one of the most serious issues in current affairs, politicians & environmentalists due to the various risks & effects associated with it.

\* Despite the fact that global warming is increasing at an alarming rate & it might be too late to reverse the damage it has caused, it is believed that developing an aggressive plan of action can help to reduce its negative impact.

\* Some suggestions to reduce global warming are: \*

- \* Use compact fluorescent light (CFL) bulbs. These use 60% less energy than incandescent bulbs. By using CFLs, we can save 140 kg of CO<sub>2</sub> each year.
- \* Use programmable thermostats. Lowering thermostat by 2°C during the winter. Proper thermostat setting will keep from emitting

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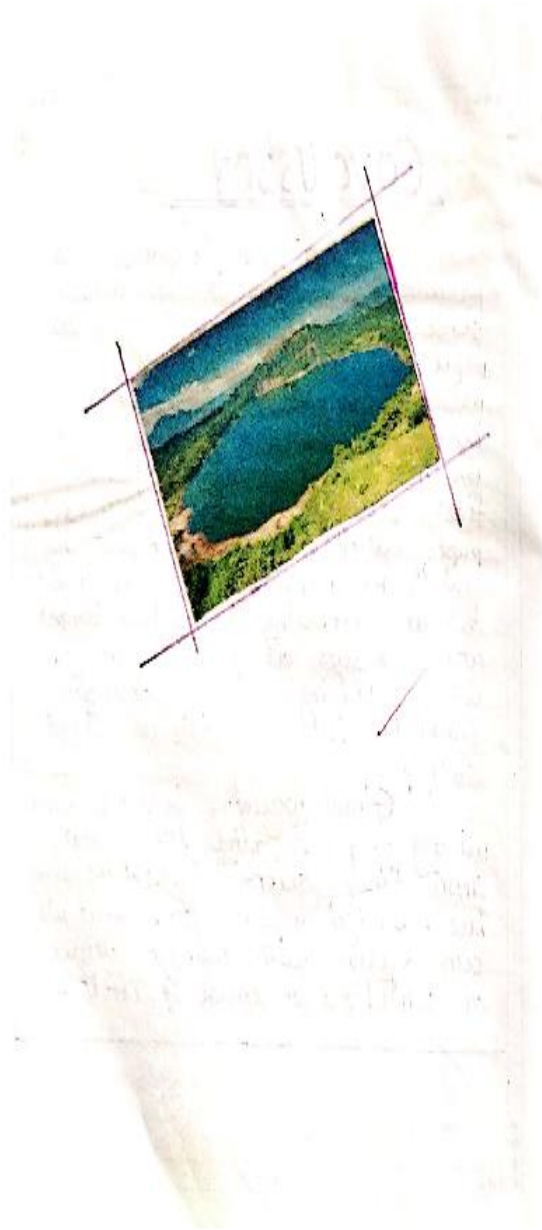
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## Project -3 Noise Pollution

Topic	Date	Page
<u>NOISE POLLUTION</u>		
<p>The word noise comes from the Latin word <i>noxia</i> meaning "injury" or "hurt". Noise is an unwanted, unpleasant and annoying sound caused by vibration of the matter.</p> <p>Vibrations impinge on the ear drum of a human or animal and setup a nervous disturbance, which we call sound. When the effects of sound are undesirable that it may be termed as "Noise".</p> <p>Physically there is no distinction between sound and noise. Sound is a sensory perception and the complex pattern of sound waves is labeled as noise, music, speech etc. Noise has become a very important "stress factor" in the environment of man.</p>		
<u>MEASUREMENT OF NOISE</u>		
<p>A decibel is the standard for the measurement of noise."</p> <ul style="list-style-type: none"><li>• 20 db is whisper</li><li>• 40 db the noise in a quiet office</li><li>• 60 db is normal conversation</li><li>• 80 db is the level at which sound becomes physically painful and can be termed as noise.</li></ul>		
<u>What is Noise Pollution?</u>		
<p>Sound is essential to our daily lives, but noise</p>		
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Topic: \_\_\_\_\_ Date: \_\_\_\_\_ Page: 5

is not. Noise is generally used as an unwanted sound or sound which produces unpleasant effects and discomfort on the ear.

Sound becomes unwanted when it mixes interferes with normal activities such as sleeping, conversation, or disturbs or diminishes one's quality of life. Not all noise can be called noise pollution. If it does not happen regularly, it may be termed as 'nuisance'.

Scientists also believe that it is not only humans who are affected. For ex. whales, animals are subjected to noise by submarines and big ships on the ocean, and chain-saw operations by timber companies also cause extreme noise to animals in the forests.

Generally, noise is produced by household gadgets, big trucks, vehicles and motorcycles on the road, jet planes and helicopters hovering over cities, loud speakers etc.

Noise (or sound) is measured in the units of decibels and is denoted by the dB. Noise which is more than 120 dB is tolerable. The industrial limit of sound in the industries must be 75 dB according to the World Health Organization.

Noise is considered as environmental pollution even though it is thought to have less damage on humans than water, air or land pollution. But people who are affected by some source noise pollution know that it is a massive issue that needs attention.

Shrikempa



Topic: \_\_\_\_\_ Date: \_\_\_\_\_ Page: 5

Let us learn more  
What are the sources of noise pollution?

Noise can come from many places. Let us see a few good sources:

Household sources: Gadgets like food mixer, grinder, vacuum cleaners, washing machine and dryer, coolers, air conditioners, can be very noisy and injurious to health. Others include loud speakers of sound systems and TVs, iPads and cell phones. Another example may be your neighbour's dog barking all night everyday. Sit every shadow it's very disturbing everyone also in the nearby.

Social events: Places of worship, discos and gigs, parties and other social events also create a lot of noise for the people living in that area. In many market areas, people sell with loud speakers, others shout out offers and try to get customers to buy their goods. It is important to note that when these events are not often, they can be called "nuisance" rather than noise pollution.

Commercial and industrial activities: Printing presses, manufacturing industries, construction sites contribute to noise pollution in large cities. In many industries, it is a requirement that people always wear earplugs to minimize their exposure to heavy noise. People who work with lawn mowers, tractors and noisy equipment are also at

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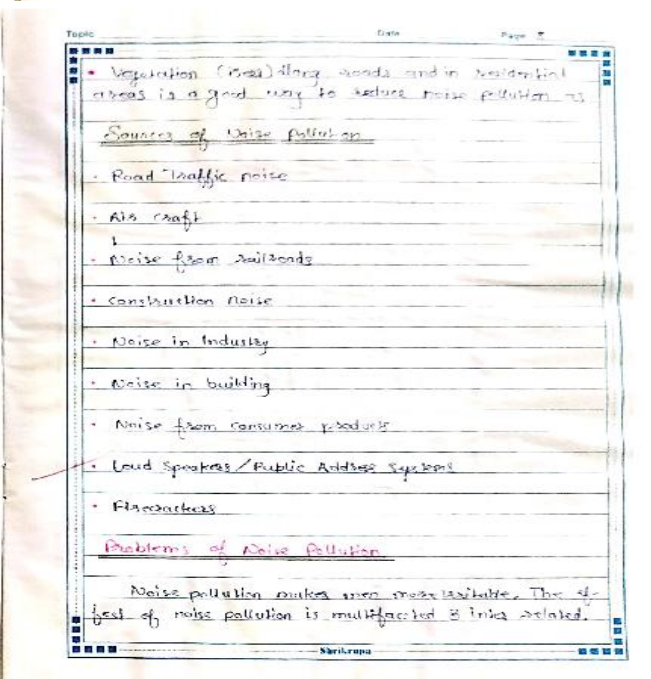
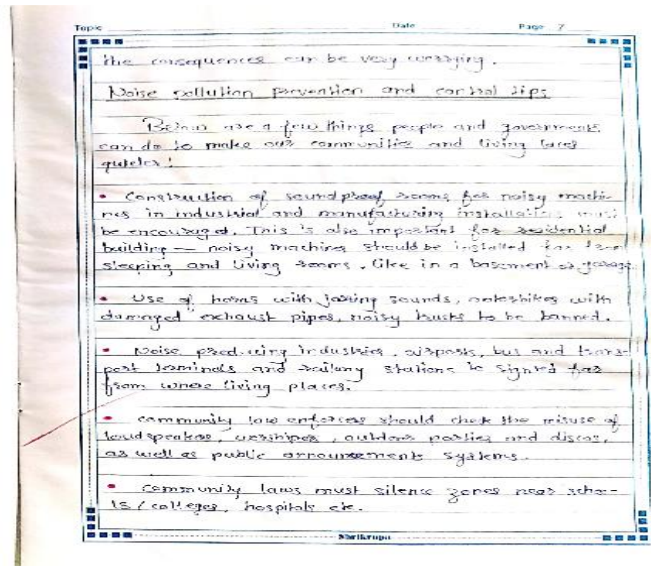
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Topic: Noise Mitigation

Date: \_\_\_\_\_ Page: 10

"Noise mitigation is a set of strategies to reduce noise pollution."

- Construction of sound proof rooms for noisy machines in industries.
- Use of horns with jangling sounds to be banned. For motor vehicle should be fitted with mufflers. Horns giving a succession of different sounds with any other sound producing horns giving an early harsh, shrill, loud or alarming noise. The siren for vehicles of such sound signals.
- Every motor vehicle shall be fitted with a device (silencer).
- Noise producing industries, godowns, and railway stations to be shifted away from the inhabited areas.
- Proper laws should be enforced to check the misuse of loudspeakers and public announcements systems. Loud speakers are banned from 10pm to 6am.

Planting green plants/trees along roadside to reduce noise pollution as they absorb sound.

To avoid noise-induced hearing loss, pay attention to the noise around you and turn down the volume whenever possible.

Avoid to limit time spent in noisy spots.

Wear adequate hearing protection, such as foam ear plugs or ear muffs, when you must be in a noisy environment or when using loud equipment.

We must constantly check up on the appliances we use at home. Most of them have rubber insulation that act for soundproofing. But over time, this insulation may wear out, and that is when the noise pollution will begin. Keep track of which appliances need maintenance, and replace insulation if needed.

Noise is also made by the escape of exhaust gases from the engine, therefore every motor vehicle should be so constructed and maintained as not to cause undue noise when in motion.

Before buying a home, see how far it is from the local airport.

Signature: \_\_\_\_\_



Topic: \_\_\_\_\_ Date: \_\_\_\_\_ Page: 11

Whenever possible, avoid to limit time spent in noisy spots.

Wear adequate hearing protection, such as foam ear plugs or ear muffs, when you must be in a noisy environment or when using loud equipment.

We must constantly check up on the appliances we use at home. Most of them have rubber insulation that act for soundproofing. But over time, this insulation may wear out, and that is when the noise pollution will begin. Keep track of which appliances need maintenance, and replace insulation if needed.

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## **EVS Question Paper**

**RASTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY,  
NAGPUR**

**RENUKA COLLEGE, BESA, NAGPUR**

**Subject :-Environmental Study Science**

**विषय :-पर्यावरण अध्ययनशास्त्र**

**B. A. & B. Com. : Part II**

**Time 2:30 Hours] IV Semester Exam : 2023-24 [Max. Marks : 75**

Name of Student ..... Class.....

### **Instruction for examiner:**

1) All Questions are Compulsory

2) Choose the right option and

Underline or ✓tick

3) Solve Section 'A' separate answer sheet

4) Solve Section 'B' in the Questions Paper

### **परीक्षार्थी करीता सूचना :**

१)सर्व प्रश्नसोडविणे आवश्यक आहे.

२) योग्य पर्यायाखाली अधोरेखित करा

किंवा ✓अशी खून करा

३) विभाग 'अ' करीता वेगळी उत्तर पत्रिका मिळेल.

४) विभाग 'ब'चे सर्व प्रश्न प्रश्नपत्रिकेवरच सोडवा.

### **Section 'A' Descriptive Question**

**Que. 1A) what is Environmental Science? Define the importance of Environmental Science?**

**25**

पर्यावरण शास्त्र म्हणजेकाय? पर्यावरण शास्त्राचे महत्व स्पष्ट करा?

**OR**

**B) Write Introduction, causes, effect and measures on the basis of your Environmental Science project.**

आपण तयार केलेल्या पर्यावरण अध्ययनशास्त्रच्या प्रोजेक्ट मधील विषयाची प्रस्तावना, व्याख्या, कारणे, परिणाम आणि उपाय लिहा.

  
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## Que. 2 Write short notes (any five)

20

- 1) Define air pollution and its causes?  
वायू प्रदुषणाचा अर्थ स्पष्ट करुन त्याची कारणे सांगा?
- 2) Write effect and measures fair pollution?  
वायू प्रदुषणाचे परीणाम व त्यावरील उपाय सूचवा?
- 3) Define water pollution and its causes?  
जल प्रदुषणाचा अर्थ स्पष्ट करुन त्याची कारणे सांगा?
- 4) Write effect and measures of water pollution?  
जल प्रदुषणाचे परीणाम व त्यावरील उपाय सूचवा?
- 5) Define noise pollution and its causes?  
ध्वनी प्रदुषणाचा अर्थ स्पष्ट करुन त्याची कारणे सांगा?
- 6) Write effect and measures of noise pollution?  
ध्वनी प्रदुषणाचे परीणाम व त्यावरील उपाय सूचवा?
- 7) Define soil pollution and its causes?  
मृदा प्रदुषणाचा अर्थ स्पष्ट करुन त्याची कारणे सांगा?
- 8) Write effect and measures of Soil pollution?  
मृदा प्रदुषणाचे परीणाम व त्यावरील उपाय सूचवा?
- 9) Define sea pollution and its causes?  
सागर प्रदुषणाचा अर्थ स्पष्ट करुन त्याची कारणे सांगा?
- 10) Write effect and measures of sea pollution?  
सागरी प्रदुषणाचे परीणाम व त्यावरील उपाय सूचवा?

  
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## Section 'B' Objective Question

25

- 1) World Water Day? जागतिक जल दिन?  
09 March 11 March 19 March 21 March
- 2) World Population Day? जागतिक लोकसंख्या दिन?  
09 July 11 July 13 July 15 July
- 3) World Health Day? जागतिक आरोग्य दिन?  
03 April 05 April 07 April 09 April
- 4) World forest Day? जागतिक वन दिन?  
01 March 11 March 21 March 31 March
- 5) World Environment Day? जागतिक पर्यावरण दिन?  
03 June 05 June 07 June 09 June
- 6) Foundation of Indian survey of forest department? भारतीय वन सर्वेक्षण विभागाची स्थापना झाली? 1971 1981 1991 2001
- 7) How much land of earth is covered with water bodies? पृथ्वीवर एकूण किती टक्के पाणी आहे?  
69% 71% 73% 75%
- 8) What is the chemical formula of the water? पाणी ----- या रासायनिक घटकामुळे बनतो ?  
H<sub>2</sub>O H<sub>2</sub>SO<sub>4</sub> CO<sub>2</sub> NO<sub>3</sub>
- 9) Which is the fastest growing tree? सर्वात जलद वाढणारा वृक्ष?  
Anjan Nilgiri Gulmohar Subhabul
- 10) What is called Evaporation – Rainfall-? बाष्पीकरण-पाऊस-पाण्याचे वहन यास म्हणतात?  
Geo haidrology cycle Environment cycle Air cycle Water cycle  
भूजलचक्र पर्यावरणचक्र वायूचक्र जलचक्र

  
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Near Bank of India, Besa, Nagpur

Accredited 'B ++' Grade with 2.93 CGPA by NAAC, Bengaluru

Permanently Affiliated to RTM Nagpur University

Telephone No. 07103281455

Email: - [renukamv.ngp@gmail.com](mailto:renukamv.ngp@gmail.com)

Website: [www.renuacollege.org](http://www.renuacollege.org)

President: - Shri Himanshu E. Gedam

Officiating Principal: - Dr. Atul Mahajan

Contact no. : 8149051026

Contact no. : - 8237059575

- 11) Who started Narmada movement? यांनी नर्मदा बचाव आंदोलन केले?  
Megha Patkar      Nana Patekar      Anna Hajare      Prakash Aamte
- 12) In which district is Gosekhurd Project? गोसेखूर्द प्रकल्प कोणत्या जिल्हात आहे?  
Bhandara      Gondiya      Nagpur      Chandrapur
- 13) Which tree provides the highest oxygen? कोणता झाड सर्वात जास्त ऑक्सीजन पूरवितो?  
Banyan      Pipal      Nim      Tulshi
- 14) What is the act implemental by RTO to control pollution?  
RTO मोटर व्हेईकल ॲक्ट नूसार वाहनांच्या प्रदूषनावर रोक लावण्या करीता—काढणे बंधनकारक केले आहे.  
CUP      PUC      UPC      PPUC
- 15) How is Noise pollution measured? ध्वनी प्रदूषणाचे मापन—एककात मोजतात?  
Miter      Kilometer      Decibel      Perimeter)
- 16) In Which district of Maharashtra has a large number of ponds?  
महाराष्ट्रातील मोठ्या प्रमाणात तलाव असणारा जिल्हा कोणता आहे?  
Bhandara      Gondiya      Nagpur      Chandrapur
- 17) Which is the first national park in India? भारतातील पहिले राष्ट्रीय उद्यान—हे आहे?  
Kashiganga      GimCobet      Bandipur      Gir
- 18) In Which five year plan Environmental conservation has been introduced ?  
कोणत्या पंचवार्षिक योजनेत भारतामध्ये पर्यावरण संरक्षण प्रयास करण्यात आला?  
2<sup>nd</sup>      4<sup>th</sup>      6<sup>th</sup>      8<sup>th</sup>
- 19) In Which city environmental research center is situated? राष्ट्रीय पर्यावरण अनुसंधान केंद्र कोणत्या शहरात स्थित आहे. ?  
Nagpur      Amravati      Pune      Akola
- 20) Which tree is considered hazardous to environment? पर्यावरणाचा दुष्मन कोणत्या वृक्षाला म्हटले जाते.  
युकेलिप्टस(सफेदा)      निम      बाभूळ      निलगीरी

  
IQAC Coordinator  
Renuka College,  
Besa, Nagpur-37



  
Off. Principal  
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21) According to National Forest Law how much land should be reserved for forestry?

राष्ट्रीय वनकायद्या नुसार जमीनीवर किती टक्के वने असणे अनिवार्य आहे.

23%

33 %

43%

53%

**What is the Full Form?**

22) WHO = .....

23) NEERI = .....

24) ECO = .....

25) OZ = .....

**True/False**

05

01) Environmental – Pollution is not man made problem True ( ) false ( )

पर्यावरण-प्रदूषण ही मानव निर्मित समस्या नाही.

02) Human health causes adverse effect of air pollution True ( ) false ( )

मनवी आरोग्यावर हवेच्या प्रदूषणाचे दूषपरिणाम होतात.

03) Environmental management is the responsibility of nature True ( ) false ( )

पर्यावरण व्यवस्थापन ही निसर्गाची जबाबदारी आहे.

04) Acid ecosystem does not cause destruction of plants and animals True ( ) false ( )

आम्लपर्यावरणामुळे वनस्पती व प्राण्यांचा विनाश होत नाही.

05) Land is not central component of the environment True ( ) false ( )

भूमी हा पर्यावरणाचा एक केंद्रीय घटक नाही.

  
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Contact no. : 8149051026

Contact no. : - 8237059575

## B.Com & B.A-II (4<sup>th</sup> Sem.) Students EVS Grade List

**रेणुका कॉलेज**  
Accredited with Grade "B++" by NAAC  
बँक ऑफ इंडिया जवळ, बेसा, नागपूर -३७  
सुरध्वनी क्र. ०७१०३-२८१४५५ website:- [www.renuカcollege.org](http://www.renuカcollege.org) Email :- [renukamv.ngp@gmail.com](mailto:renukamv.ngp@gmail.com)

अध्याका :- श्री. हिमांशु ए. गेडाम संपर्क :- ९८४९०५९०२६	प्राचार्य :- डॉ. अतूल महाजन संपर्क :- ८२३७०५९५७५
जा. क्र. रे.कॉ/पर्यावरण श्रेणी/१३३/२४	दिनांक : ०३/०६/२०२४

प्रति,  
मा. संचालक,  
परीक्षा व मुल्यमापन मंडळ,  
राष्ट्रसंत तुकडोजी महाराज,  
नागपूर विद्यापीठ, नागपूर


विषय: बी.ए. आणि बी.कॉम. 4<sup>th</sup> Sem पर्यावरण अध्ययन शास्त्र विषयाची श्रेणी (EVS Grade)  
पाठविण्याबाबत.

महोदय,  
सेवेशी विनंती आहे की, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर उन्हाळी परीक्षा 2024 करिता रेणुका कॉलेज बेसा नागपूर येथील बी.ए. आणि बी.कॉम. 4<sup>th</sup> Sem च्या पर्यावरण अध्ययन शास्त्र विषयाची श्रेणी (EVS Grade) परीक्षा आणि मुल्यमापन मंडळ विभागाला सादर करित आहोत. कृपया स्विकृत करावे हि विनंती.  
धन्यवाद!

एकूण विद्यार्थी : बी.ए. - 33  
बी.कॉम.- 17

यादी सोबत जोडली आहे.

*4 min  
3/6/24*

  
डॉ. अतूल महाजन  
प्राचार्य  
Off. Principal  
Renuka College  
Besa Near BOI, Nagpur.

  
IQAC Coordinator  
Renuka College,  
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Contact no. : 8149051026

Contact no. : - 8237059575

RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,  
NAGPUR

Environmental Studies Grade Sheet

Exam Name : FOURTH SEMESTER B.A. (CBCS)  
College Name : (143) RENUKA COLLEGE  
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Grade
1	275225	20232014311866	AACHAL GANESH BUDHE	A
2	275226	20232014311867	AMISHA DEHU TURANKAR	A
3	275227	20232014311868	ASHWINI LILADHAR LIKHAR	O
4	275228	20232014311870	HIMANSHI VIJAY BHADE	B
5	275229	20232014311871	MANGALA VISHWANATH CHAURAGADE	A
6	275230	20232014311872	MANISHA ANANDRAO PANSE	O
7	275231	201920155113911	MAYURI SHANKARRAO DHOTE	A
8	275232	20232014311873	MENUKA RAMBAHADDUR THAPA	O
9	275233	20232014311874	NIKITA RAMESH MALEWAR	A
10	275234	20192015511399	NIKITA SHANKAR PARATE	O
11	275235	20232014311875	PALAK UMESH GANVIR	O
12	275236	20232014311878	SAMURUDHI UDAY KOLHE	O
13	275237	20232014311879	SANJANA SAWANLAL NAGPURE	A
14	275238	20232014311881	SHREYA NILESH KHAIRKAR	A
15	275239	20232014311882	SIMRAN ANIL TEKAM	A
16	275240	20232014311883	SONAL NARAYAN SAWARKAR	A
17	275241	2011016600203926	SUNITA MADANLAL UIKEY	O
18	275242	20232014311884	SWATI DAMODHAR CHINURKAR	A
19	275243	20232014311886	TRUPTI SURENDRA PATLE	O
20	275244	20232014311887	VIDHYA MANSARAM DHOBARE	A
21	275245	20232014311888	VIJAYLAXMI SIDDHARTH MESHRAM	O
22	275246	20232014311891	ABHISHEK SADANAND SHAMBHARKAR	B
23	275247	20232014311892	ADESH VINAYAK LUTE	A
24	275248	20232014311897	AYUSH PREM PUNDE	A
25	275249	2015016601467155	CHETAN RAJESH NAKADE	A
26	275250	20232014311902	HITESH HARILAL SIRSAM	B
27	275251	2015016601506774	MILIND SIDDHARTH RAUT	O
28	275252	20232014311908	MOHIT SURESH DUMARE	A

Off. Principal  
Renuka College  
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Assistant Professor  
Renuka College  
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NAGPUR

Environmental Studies Grade Sheet

Exam Name : FOURTH SEMESTER B.A. (CBCS)  
College Name : (143) RENUKA COLLEGE  
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Grade
29	275253	20232014311912	PRANAV SHIKRUSHNA CHANGOLE	A
30	275254	20232014311915	SANKET CHANDRASHEKHAR MESHARAM	O
31	275255	20232014311916	SHISHUPAL NIRANJAN BAWANKAR	A
32	275256	20193019200259	SHUBHAM RAJENDRA RAKSHANKAR	A
33	275257	20192010703142	YASH SANTOSH KAMBLE	A

Print Date & Time: 22-05-2024 11-53-56 AM

Off. Principal  
Renuka College  
Besa Near BOI, Nagpur.

Signature of Examiner  
Associate Professor  
Renuka College  
Besa, Nagpur-37

IQAC Coordinator  
Renuka College,  
Besa, Nagpur-37



Off. Principal  
Renuka College  
Besa Near BOI, Nagpur.



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NAGPUR

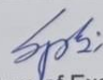
## Environmental Studies Grade Sheet

Exam Name : FOURTH SEMESTER BACHELOR OF COMMERCE (B.Com.) (OB) (CBCS)  
College Name : (143) RENUKA COLLEGE  
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Grade
1	369472	20233014311226	KAJAL SURESH MALVIYA	A
2	369473	20233014311227	PINKI DHANESH GUPTA	O
3	369474	20233014311229	PORNIMA SANJAY WANKHEDE	B
4	369475	20233014311231	SAMIKSHA MANOJ GHUTKE	A
5	369476	20233014311232	SHIVANI RAMAVATAR BAWANKAR	A
6	369477	20172006633026	ANKIT NARSINGH BAHADURE	A
7	369478	20233014311236	ATHARVA PRAVIN GHOSH	A
8	369479	20183010213171	HARSHAL ARUN MODAK	O
9	369480	20191008625966	HIMANSHU SANJAY MANWATKAR	B
10	369481	20233014311239	NIKHIL PRAKASH THAWRE	A
11	369482	20233014311240	PIYUSH MAHAVIR MESHARAM	O
12	369483	20233014311242	ROHAN DEEPAK YADAV	A
13	369484	20172010213292	ROHIT DIPAK MESHARAM	A
14	369485	2021016600178362	SUJAL AVINASH BHINGARE	A
15	369486	20233014311243	TEJAS RAJESH TALHAR	A
16	369487	20233014311245	TUSHAR PRAKASH YADAV	A
17	369488	20233014311233	TAMANNA MUKESH BAHEKAR	O

Print Date & Time: 22-05-2024 11:43-07 AM

  
Off. Principal  
Renuka College  
Besa Near BOI, Nagpur.

  
Signature of Examiner  
Associate Professor  
Renuka College  
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## University Mark Sheet with EVS Grade

Back

Kasturba Tukadoji Maharaj Nagpur University  
Formerly known as Nagpur University  
[www.rtmnuresults.org](http://www.rtmnuresults.org)

[FACULTY OF COMMERCE & MANAGEMENT]  
FOURTH SEMESTER OF BACHELOR OF COMMERCE (B.COM.) (OB) (CBCS), SUMMER 2024  
[CHOICE BASED CREDIT SYSTEM]

Student Name : PORNIMA SANJAY WANKHEDE  
Mother's Name : CHANDRAKALA  
Exam Category : REGULAR  
College : (143) RENUKA COLLEGE, MANEWADA ROAD, BESA, NAGPUR-440024

Roll No. : 369474  
Enrol. No. : 20233014311229  
Center No. : 125

Date : 12/07/2024  
P/L : 469/3  
Medium: ENGLISH

Sr No	SUBJECT	MARKS & CREDITS SCHEME				MARKS & GRADES AWARDED						
		MAX	MIN	TU/PU	TI/PI	TOTAL MARKS	GRADE	GP	CR	GPV	RMK	
1	FINANCIAL ACCOUNTING-II	80	20	100	40	24	20	44	P	4.40	04	17.60
2	MONETARY ECONOMICS-II	80	20	100	40	30	19	49	P	4.90	04	19.60
3	COMPULSORY ENGLISH	80	20	100	40	29	20	49	P	4.90	04	19.60
4	MARATHI	80	20	100	40	35	20	55	B	5.50	04	22.00
5	ORGANIZATIONAL BEHAVIOUR	80	20	100	40	25	20	45	P	4.50	04	18.00
6	SECRETARIAL PRACTICE	80	20	100	40	28	20	48	P	4.80	04	19.20

INCENTIVE	agPV	TOTAL CREDITS	SGPA	OUT OF	TOTAL MARKS OBTAINED	OUT OF MARKS	RESULT	REMARKS
NSS 6	122.00	24	5.08	10.00	290	600	PASS	

ENVIRONMENT GRADE : 'B'

Refer Credit Grade System Table  
(This statement is subject to corrections, if any)  
TU=Theory University, PU=Practical University, TI=Theory Internal, PI=Practical Internal,  
CR=Credit, GP=Grade Point, GPV=Credit X Grade Point, agPV=Sum of Credit X Grade Points, AA=Absent, RR=Refusal,  
XMF=Full Exemption, XMT=Exempted in Theory, XMS=Exempted in Internal Asse., XMP=Exempted in Practical, #=Fail,  
XMI=Exemption in Prac.Int.Asse., RMK=Exemption Remark

Controller of Examinations

Print Date:-06-08-2024 10:13:49

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Rashtrasant Tukadoji Maharaj Nagpur University

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Back

(FACULTY OF HUMANITIES)  
FOURTH SEMESTER B.A., SUMMER 2024  
(CHOICE BASED CREDIT SYSTEM)

Student Name : ASHWINI LILADHAR LIKHAR  
Mother's Name: NAYA  
Roll No. : 275227  
Exam Category: REGULAR  
Medium: MARATHI  
Center No.: 119  
College : (143) RENUKA COLLEGE, MANEWADA ROAD, BESA, NAGPUR

ENROL. NO. : 20232014311868  
Date : 12/07/2024  
P/L : 680/3

SR NO	SUBJECT	MARKS & CREDITS SCHEME					MARKS & GRADES AWARDED						
		MAX TU/PU	MAX TI/PI	TOTAL MARKS	MIN TU/PU	MIN TI/PI	CR	TU/PU	TI/PI	TOTAL MARKS	GRADE	GP	GPV
1	ENGLISH	80	20	100	40	4.00	31	20	51	B	6.00	24.00	
2	MARATHI	80	20	100	40	3.20	33	20	53	B	6.00	19.20	
3	ENGLISH LT	80	20	100	40	4.80	25	19	44	P	4.00	19.20	
4	SOCIOLOGY	80	20	100	40	4.00	40	20	60	B+	7.00	28.00	
5	HISTORY	80	20	100	40	4.00	24	19	43	P	4.00	16.00	

INCENTIVE	AGPV	TOTAL CREDITS	SGPA	OUT OF	TOTAL MARKS OBTAINED	OUT OF MARKS	RESULT	REMARKS
NSS 3	109.40	20.00	5.47	10.00	251	500	PASS	



ENVIRONMENT STUDIES GRADE : 0

REFER CREDIT GRADE SYSTEM TABLE :

Grade: O Point:10 Range:100- 90 (OUTSTANDING) | Grade:A+ Point: 9 Range: 89- 80 (EXCELLENT) |  
Grade: A Point: 8 Range: 79- 70 (VERY GOOD) | Grade:B+ Point: 7 Range: 69- 60 (GOOD) |  
Grade: B Point: 6 Range: 59- 50 (ABOVE AVERAGE) | Grade: C Point: 5 Range: 49- 45 (AVERAGE) |  
Grade: P Point: 4 Range: 44- 40 (PASS) | Grade: F Point: 0 Range: 39- 0 (FAIL) |  
Note(=) Pass by grace marks vide Ordinance No.3 of 2007.  
P

Print Date:-13-07-2024 11:11:17

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