



**Subject: Ev.Sc./ 5<sup>TH</sup>**

**Aspect: Tutorial**

**Monday 25<sup>th</sup> August 2021**

**Lesson no.: 10. Pollution**

**Learning Objective:** Students will learn about

- Noise Pollution and its causes.

### ***What is Noise Pollution?***

Noise is an unwanted or unpleasant sound that disrupts human beings. The presence of extensive unwanted sounds creates an imbalance in the environment that leads to noise pollution. Though advanced technology has made people's life easier, it's difficult to deny the fact that with the increasing development, noise pollution is also increasing at a rapid rate.

***Noise pollution can be defined as any disturbing or unwanted noise that interferes or harms humans or wildlife.***

***The intensity of sound is measured in decibels (dB).***

A whisper is about 30 dB, normal conversation is about 60 dB, and a motorcycle engine running is about 95 dB. Noise above 70 dB over a prolonged period of time may start to damage your hearing. Loud noise above 120 dB can cause immediate harm to your ears.

### ***Types of Noise Pollution***

- ***Transport Noise***

It mainly consists of traffic noise which has increased in recent years with the increase in the number of vehicles. The increase in noise pollution leads to deafening of older people, headache, hypertension, etc.

- ***Neighbourhood Noise***

The noise from gadgets, household utensils etc. Some of the main sources are musical instruments, transistors, loudspeakers, etc.

- **Industrial Noise**

It is the high-intensity sound which is caused by heavy industrial machines. According to many researches, industrial noise pollution damages the hearing ability to around 20%



### **Causes and Sources of Noise Pollution**

Following are the causes and sources of noise pollution:

- **Industrialization:** Industrialization has led to an increase in noise pollution as the use of heavy machinery such as generators, mills, huge exhaust fans are used, resulting in the production of unwanted noise.
- **Vehicles:** Increased number of vehicles on the roads is the second reason for noise pollution.
- **Events:** Weddings, public gatherings involve loudspeakers to play music resulting in the production of unwanted noise in the neighborhood.
- **Construction Activities:** Mining, construction of buildings, etc add to the noise pollution.

### **Homework**

Q 1. What are the different causes of noise pollution?