

# KHAIRA COLLEGE ,KHAIRA, BALASORE

## DEPARTMENT OF CHEMISTRY

| YEAR      | NAME OF THE SEMINAR TOPIC | NO. OF PARTICIPANTS | DATE       |
|-----------|---------------------------|---------------------|------------|
| 2021-2022 | Global Warming            | 69                  | 27.04.2022 |

Departmental Seminar topic ‘**Global Warming** ‘ held on 27.04.22 , 12 PM at CFH under the Presidentship of Principal, Chief Speaker J.K .Gahan , Reader in Commerce, Khaira College ,Khaira and Staff members , Honours students .

(1) Global warming is the long term rise in the average temperature of the Earth’s climate system and its related effects. According to a number of climate studies and the United Nation’s International panel on climate change reports that 11 of the past 12 years are among the dozen warmest since 1850. According to the NASA, there has been an increase in the average temperatures and since 1880, the average temperatures have raised by 1.4 degrees Fahrenheit.

(2) Greenhouse effect is the major cause of global warming. Greenhouse gases like Water vapour, Carbon dioxide and Methane are the root of this problem. These gases block Earth from radiating its heat into space. Primary sources of Greenhouse gases are Transportation, Electricity production, Industry, Agriculture, Land use and Forestry. Solar activity and Earth’s reflectivity are the other issues that contribute to global warming.

(3) One of the effects of global warming is that ice is melting worldwide, especially at the Earth’s poles. Rising temperatures are affecting wildlife and their habitats. Rain and snowfall has increased across the global, on average. Yet some regions are experiencing more severe drought, increasing risk of wildfires, lost crops and drinking water shortages.

(4) Measures to be taken to reduce global warming are

i) Replacing one regular light bulb with a compact fluorescent light bulb, that will save 150 pounds of carbon dioxide a year.

ii) Drive less so that you can save one pound of carbon dioxide for every mile you don’t drive.

iii) Recycle more so that you can save 2,400 pounds of carbon dioxide per year by recycling just half of your household waste.

iv) Use less hot water, instead use cold or warm water to wash your clothes so that 500 pounds of carbon dioxide can be saved per year.

- v) Avoid products with a lot of packaging so that you can reduce your garbage by ten percent.
- vi) Adjust your thermostat, you can save about 2,000 pounds of carbon dioxide per year.
- vii) Plant a tree, a single tree will absorb one tone of carbon dioxide over its life time.