

## Chapter-11

### Weather and Climate

#### Lecture Sheet-03; Class date -18/07/2020

The components of the weather and the components of the climate are the same. There are six weather components.

They are:

1. Temperature
2. Humidity
3. Wind
4. Cloud
5. Rain and
6. Air Pressure.

The effect of the change of weather components:

- a. Occurrences of extremely low temperatures cause cold waves and extremely high temperatures cause heatwaves.
- b. Excessive rainfall can cause floods.
- c. Low air pressure can cause cyclones.

Humidity:

Humidity is the measure of how much moisture is in the air. The lower the humidity the lesser the moisture in the air. The lower the humidity the lower the moisture in the air. During rainy season, the monthly average humidity and rainfall is higher than other months.

The southeast seasonal wind brings much moisture from bay of Bengal during rainy season. This moisture causes heavy rainfall.

The northeast monsoon wind brings cold dry air from the northern land in winter. This dry air causes less rainfall.

Extreme Weather:

Heat Wave:

A heatwave is a prolonged period of excessively hot weather.



Fig: Heatwave

#### Effects of Heat wave:

We experience heat wave every year but we face extraordinary spells of heat wave that may occur only once a century. These severe heat waves cause

- a. catastrophic crop failures.
- b. thousands of deaths of animals including human being

#### Cold Wave:



Fig: Cold wave

Occurrences of extreme low temperature in association with incursion of dry cold winds from north into our country are known as cold wave. Severe cold which is intolerable for plants and animals is very rare in Bangladesh.

### **Related questions related with this topic**

- 1.Name two factors that influence weather change.
- 2.What is humidity?
- 3.Write the name of two weather components.
- 4.Write the effects of heat wave.
- 5.What is cold wave?