

Lecture Sheet-1**Chapter: 6 Climate and Disaster****Topic-1: Climate change****Notes:****• Weather:**

Weather is average temperature, rainfall and air pressure during a short period, like a week.

• Climate:

Climate is average of weather in a place over many years like 30-40 years.

• Disaster:

A sudden accident or a natural catastrophe that causes great damage or loss of life. Bangladesh's natural location and climate put it at risk of natural disasters day by day.

• Names of natural disasters:

Storm, tornadoes, floods, drought, earthquakes, cyclones etc.

• Why is natural disaster increasing:

Climate change put it at risk of natural disasters increasing day by day.

• Reasons/Causes of climate change:

Climate change refers to any significant change in the measures of climate lasting for over several years or longer.

The climate is changing throughout the world. Most are due to with man-made and few are due to natural reasons.

1. Man-made reasons:

- a. Air pollution due to smoke created by burning fuels and automobiles.
- b. Floods and droughts due to deforestation.
- c. Water pollution due to draining of chemicals and wastes in the water bodies.

2. Natural reasons:

- a) Volcanic eruptions discharge carbon dioxide.
- b) Earth Orbital change.

• **Impacts/Effects of climate change on Bangladesh:**

- a) Increased average temperature
- b) Heavy rainfall or less rainfall
- c) More tornadoes
- d) Damage to agricultural land from increased salinity
- e) Trees and animals are destroyed
- f) Ground water level is going down
- g) It is estimated that by 2050, 20% of Bangladesh's land area might be flooded by sea water.
- h) The impact on food production, housing, health, employment would be serious.

• **Results of climate change in Bangladesh:**

- a) In 2007 in the Bay of Bay of Bengal cyclone Sidr happened which caused 3,447 deaths.
- b) In 2009 cyclone Aila happened, in which 330 people died,8203 were missing and over 1 million were homeless.

• **How could we stop/To prevent/Reduce the climate change:**

- a) Stop cutting down trees
- b) To eliminate the burning of oil, coal, and eventually natural gas.

- c) Planting more trees.
 - d) Do not use plastic bottles.
 - e) Reducing fuel emissions associated with motor vehicles.
 - f) Control the population.
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- **The role of citizen during a disaster:**
 - a) Follow the authorities' instruction.
 - b) To alert everybody.
 - c) To help poor people by giving them money, food.
 - d) To give free medical treatment, medicine.
 - e) To give them shelter if the poor need.

A. One Sentence Question:

1. What is called disaster? [2015]
2. Why is natural disaster increasing in Bangladesh? (2018)
3. What is called climate? [2017,2015,2016]
4. Write a cause of climate change. [2016]
5. Which problem is occurring due to climate change? [2015]
6. Which cyclone hits Bangladesh in 2007?

B. Creative Question:

1. What is weather? Why the risk of natural disaster increasing day by day?
Write names of 4 natural disasters. (2018)
2. What is disaster? Write down two natural and two manmade causes of disaster. [2016]
3. What is called climate? Write down of three impacts of climate change on Bangladesh. [2016]
4. What is climate? Why does climate change? Write three results of climate change. [2017]
5. What is climate? Why it is changing? Write 4 effects of climate change in Bangladesh. (2018, 2014)
6. What is climate? Why it is changing? How could we stop climate change?

**PS: Follow the questions from question bank and find the answers from the notes.
Here is also include the questions.**

Thank you
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