

**Revision Work Sheet on Chapter-6- Topic-1,2,3,4**  
**Chapter-6: Climate and Disaster**

**Topic-1: Climate change**

**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)

**A. One Sentence Question Answer:**

1. **Answer:** A sudden accident or a natural catastrophe/disaster that causes great damage or loss of life.
2. **Answer:** Bangladesh's natural location and climate put it at risk of natural disasters day by day.
3. **Answer:** Climate is average of weather in a place over many years like 30-40 years.
4. **Answer:** The cause of climate change is air pollution due to smoke created by burning fuels and automobiles.
5. **Answer:** Due to climate change increased average temperature.
6. **Answer:** In 2007 in the Bay of Bengal cyclone Sidr hits which caused 3,447 deaths.

**B. Creative Question Answer:**

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

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

Names of four natural disasters are:

- |                      |               |
|----------------------|---------------|
| 1. Riverbank erosion | 3. Flood      |
| 2. Drought           | 4. Earthquake |
2. **Answer:** A sudden accident or a natural disaster that causes great damage or loss of life.

**i. Man-made cause:**

- 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.

**ii. Natural cause:**

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

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

Three impacts of climate change on Bangladesh are:

- a) Increased average temperature
- b) Heavy rainfall or less rainfall
- c) Damage to agricultural land from increased salinity
- d) Trees and animals are destroyed

**4 and 5 question answer are the same because of impacts/effects/results are the synonym.**

4/5. **Answer:** Climate is average of weather in a place over many years like 30-40 years.

The climate changes throughout the world due to man-made and natural reasons. Example: air pollution due to smoke created by burning fuels and automobiles, floods and droughts due to deforestation, volcanic eruptions discharge carbon dioxide.

Four effects of climate change in Bangladesh are:

- a) Increased average temperature
- b) Damage to agricultural land from increased salinity
- c) Ground water level is going down
- d) It is estimated that by 2050, 20% of Bangladesh's land area might be flooded by sea water.
- e) The impact on food production, housing, health, employment would be serious.

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

The climate changes throughout the world due to man-made and natural reasons. Example: air pollution due to smoke created by burning fuels and automobiles, floods and droughts due to deforestation, volcanic eruptions discharge carbon dioxide.

We can stop/ prevent climate change by the following way--

- a) stop cutting down trees
- b) eliminate the burning of oil, coal, and eventually natural gas.
- c) plant more trees.
- d) Stop using of plastic bottles.
- e) reduce fuel emissions associated with motor vehicles.
- f) Control the population.

### C. Fill in the blanks with appropriate words.

1. Weather is measure for short period.
2. The definition of Climate is average weather over a long period.
3. The location of Bangladesh's natural and climate put at risk of natural disaster.
4. The Climate is changing throughout world.
5. Global warming causes ice to melt.
6. The impact of climate change in Bangladesh is heavy rainfall or less rainfall.
7. 20% of Bangladesh's land area might be flooded by sea water.
8. Man- made pollution from factories and vehicles which causes global warming.
9. In 2007 cyclone Sidr which caused 3447 deaths.
10. 330 people died in cyclone Aila.
11. In 2009 cyclone Aila happened.
12. 8208 people are missing in Aila.
13. One million people were homeless during Aila.

## Topic-2: Riverbank erosion

### A. One Sentence Question.

1. Write a natural cause of river erosion. (2018)
2. What is the main cause of river erosion? [2017]
3. What happens because of river erosion? [2016]

### B. Creative Question.

1. What is river erosion? Why is the natural flow of river threatened? Write 4 manmade cause of river erosion. (2018)
2. What is flood? Why does flood occur? Write 3 bad effects of flood. [2017]
3. Which areas of Bangladesh are prone to river bank erosion, and why? [2016]

### A. One Sentence question Answer:

1. **Answer:** Heavy rainfall is another natural reason for riverbank erosion.
2. **Answer:** The main cause of riverbank erosion is flood.
3. **Answer:** Because of river erosion the following things are happened---
  - a) Valuable farming land is lost.
  - b) Losses of crops.
  - c) Houses, villages, roads, railways may be lost.
  - d) Cattle are died or lost etc.

## **B. Creative Question Answer:**

1 Answer: Riverbank erosion is the wearing away of the banks of a river through its flooding or general watercourse.

The natural flow of river is threatened by multiple environmental stressors, such as agricultural runoff, pollution etc.

Four man-made cause of river erosion are:

- a) Extracting sand from riverbeds
- b) Cutting down trees near riverbeds.
- c) Unplanned river excavation
- d) Dam and bridge construction.
- e) Poor soil drainage.

2. **Answer:** The definition of flood is an overflow of a large amount of water beyond its normal limits onto normally dry land.

Flood occurs for various reasons that are following-----

- a) Heavy rainfall.
- b) Overflowing rivers.
- c) Broken dams.
- d) Melting snow and ice.
- e) Natural disaster out at the sea like tsunamis.

Three bad effects of flood are:

- a) Loss of human life
- b) loss of valuable farmland.
- c) Loss of crops.
- d) Lacking of drinking water.

3. **Answer:** According to the Bangladesh Water Development Board the most erosion prone districts are Bogra, Sirajganj, Kurigram, Lalmonirhat,

Gaibandha, Rangpur in the country's north, and Chadpur, Manikgonj, Rajbari, Shariatpur and Faridpur in Dhaka zone with Tangail and Jamalpur in Mymensingh zone and the coastal areas of Patuakhali.

- \* These areas are prone to flooding due to being situated on the Brahmaputra River.
- \* Bank lines of the Padma River is particularly unstable with its left and right bank near Manikganj and Shariatpur district.
- \* Cyclones cause coastal flooding.
- \* Melt of ice water from the Himalayas.

### C. Fill in the blanks.

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1. Bangladesh is a country with many rivers.
  2. If the banks burst valuable farming land will be lost.
  3. Floods are the main cause of erosion.
  4. Manmade causes are threats to the river bank.
  5. Tracing sand from riverbeds is one of the causes by manmade.
  6. Cutting down trees near river banks.
  7. Unplanned river excavation.
  8. Building embankments for flood protection.
  9. Maintaining sluice gates and culverts for irrigation.
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### Topic-3: Drought

#### A. One Sentence Question:

- 1) What will happen if you only cut down trees instead of planting? [2017]
- 2) Write one way of preventing drought? [2017]
- 3) Which parts of Bangladesh are most prone to drought? [2016]

#### B. Creative Question:

- 1) What is drought? Why it is occurred? Write 4 bad effects of drought. (2018)
- 2) Why should not trees cut down without any inevitable reason? Write down two kinds of possible damage to environment due to cutting down trees. Write two things you should do to preserve trees. [2016]
- 3) Why should not trees cut down without any inevitable reason? Write the ways of prevent drought.

#### A. One Sentence Question Answer:

- 1) **Answer:** If only cut down trees instead of planting the following things are happened:
  1. Climate change
  2. Desertification
  3. Soil erosion
  4. Flooding
  5. Increase carbon dioxide and greenhouse gases in the atmosphere.



- 2) **Answer:** By planting more trees we can prevent the draught.
- 3) **Answer:** The north-west parts of Bangladesh are most prone to drought.

**B. Creative Question Answer:**

- 1) **Answer:** Drought is a prolonged period of abnormally low rainfall, or a long period when there is little or no rain leading to a shortage of water.

Drought is caused by man-made and natural reasons, these are:

1. Cutting down trees
2. Poor cropping methods
3. Overpopulation
4. Over-cultivation
5. Build too much building
6. Lack of precipitation
7. High temperature, strong wind
8. Low pressure storm system
9. Land and water temperature cause drought

Four bad effects of drought are:

1. Rivers, wells, lakes and canals dry up
2. It is harder to cultivate crops in the fields
3. Fodder for cattle becomes scarce
4. There is no rain water to drink

- 2) **Answer:** We should not cut down trees without any inevitable reason because,

1. Trees improve the life and fulfil essential needs of mankind.
2. conserving water
3. preserving soil
4. supporting wildlife
5. During the process of photosynthesis, trees take in carbon dioxide and produce the oxygen we breathe.

**Possible damage to environment due to cutting down trees are:**

1. Climate change
2. Desertification
3. Increase carbon dioxide and greenhouse gases in the atmosphere.

**By preserving trees, we should have to-----**

1. plant more and more trees and plants instead of cutting them.
2. encourage people to live in a way that doesn't hurt the environment.
3. establish parks to protect rainforests and wildlife.

**3) Answer:** We should not cut down trees without any inevitable reason because,

1. Trees improve the life and fulfil essential needs of mankind.
2. conserving water
3. preserving soil
4. supporting wildlife

The ways for draught prevention are:

1. Planting more trees
2. Recycling organic waste
3. Harvesting water from the air
4. Drip irrigation
5. Rain water harvesting
6. Desalination of water

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**C. Fill in the blanks.**

1. Some parts of our country suffer not only from floods but also from drought.
2. Drought occurs if there is less rain and fewer rivers.
3. Man-made causes are another reason for drought.
4. Another reason is cutting down the trees.
5. Too much building covers the ground with concrete.
6. Rivers, wells, lakes and canals dry up.
7. There is no rain water to drink.
8. The four districts are prone to drought are Dinajpur, Rangpur, Rajshahi and Bogra.
9. 17 % of the Aman crops may be lost in a typical year due to drought.

### Topic-4: Earthquakes

#### A. One Sentence Question Answer:

**1. What is earthquake?**

**Answer:** A sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's crust or volcanic action is called earthquake.

**2. What is the cause of an earthquake?**

**Answer:** Earthquakes are caused due to sudden lateral or vertical movements in the crust of the earth.

**3. What happens after earthquake strikes?**

**Answer:** Because of earthquake the following things are happened:

- a) Several buildings collapsed, hospital, school and whole city destroyed.
- b) Lots of people gets injured and killed.
- c) Many people lose their shelter.
- d) Some environmental effects occur due to earthquake are surface faulting, tsunamis etc.

**4. Which divisions is in the zone most prone to earthquakes?**

**Answer:** North-east zone of kurigram, Sunamgonj, Sylhet, hobigonj etc. are the most zone prone to earthquakes.

#### B. Creative Question Answer:

**1. What is earthquake? Why is Bangladesh at the risk of earthquake? Write 4 precautions to face the risk of earthquake. (2018)**

**Answer:** Earthquake is a sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's crust or volcanic action.

Bangladesh is at the risk of earthquakes because of its geological position.

4 precautions to face the risk of earthquake are:

1. Stay completely calm.
2. Keep first aid supplies ready.
3. After the first shock, leave the building and stay outside.
4. If you are in a building, stand under a beam.

**2. Write down 5 things you should do at the time of earthquakes? [2016]**

**Answer:** The five things that we should do at the time of earthquakes, these are:

1. Stay completely calm.
2. Keep first aid supplies ready.
3. After the first shock, leave the building and stay outside.
4. If you are in a building, stand under a beam.
5. Stay away from balconies or furniture that could fall.

**C. Fill in the Blanks:**

1. Bangladesh has a risk of earthquake because of its geological position.
2. The most at-risk part of earthquake Zone I in the north-east in Bangladesh.
3. The least part of earthquake is south-west in Bangladesh.
4. The secondary effects of earthquake are Tsunami & flood.
5. Zone III is the least part of Bangladesh.
6. The Government and developers should take precautions by building housing that can survive such shocks.
7. A major earthquake can have secondary effects like Tsunami and flooding around the sea shore.
8. If earthquake occurs, stay completely calm.
9. During earthquake if you are in bed you have to cover your head with pillow.
10. If you are in building during earthquake you have to stand under a beam.
11. After the first shock you have to leave the building and stay outside.
12. In Nepal earthquake occurs on 25 th April 2015.

**D. Match the right-side words with the left side words (Topic-1,2,3,4)**

**Column A**

**Column B**

1. Ground water

2. Trees and animals

3. The definition of weather

4. The climate is changing

5. Damage to agricultural land

6. It is estimated that

7. In 2009 cyclone Aila

8. Bangladesh is a country

9. The main natural cause of erosion

10. Building embankments

11. Maintaining sluice gates

12. Air pollution from factories also

13. Fodder for cattle

14. It is harder to cultivate

15. Bangladesh is at risk of earthquakes

16. The government and developers should take precautions

17. A major earthquake can have secondary effects

18. If you are in bed

19. Stay away from

20. If you are in a building

A. Throughout the world.

B. From increase salinity.

C. 330 people died.

D. With many rivers.

E. Is flood.

F. Are destroyed.

G. Level is going down.

H. Is average temperature, rainfall and air pressure during a short period, like a week.

I. Good health.

J. By 20 % of Bangladesh's land area might be flooded by sea water.

K. Becomes scarce.

L. Of its geological position.

M. By building housing that can survive such shocks.

N. For flood protection.

O. And culverts for irrigation.

P. Makes the atmosphere drier.

Q. Crops in the fields.

R. Transporting them elsewhere to do illegal work.

S. Like tsunami and flooding around the sea shore.

T. Cover your head with a pillow.

U. Stand under a beam.

V. From balconies or furniture that could fall.

**Answer of Matching Table:**

**1+G**

**2+F**

**3+H**

**4+A**

**5+B**

**6+J**

**7+C**

**8+D**

**9+E**

**10+N**

**11+O**

**12+P**

**13+K**

**14+Q**

**15+L**

**16+M**

**17+S**

**18+T**

**19+V**

**20+U**

**PS: \* Here is included the PEC questions answers, study these as well as the lecture sheet.**

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**Thank You**  
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