

*** Study the following exercises: Fill in the blanks, Matching table and board question of PEC from topic- 1and 2.**

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 catastrophe/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 and 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.

D. Match the right-side words with the left words.

Column A	Column B
a) Ground water	1. Throughout the world.
b) Trees and animals	2. From increase salinity.
c) The definition of weather	3. 330 people died.
d) The climate is changing	4. With many rivers.
e) Damage to agricultural land	5. Is flood.
f) It is estimated that	6. Are destroyed.
g) In 2009 cyclone Aila	7. Level is going down.
	8. Is average temperature, rainfall and air pressure during a short period, like a week.
	9. Good health.
	10. By 20 % of Bangladesh's land area might be flooded by sea water.

Answer: (a+7) (b+6) (c+8) (d+1) (e+2) (f+10) (g+3)

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 effect 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.

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.

D. Match the right side with the left side words.

Left Side	Right Side
a) Bangladesh is a country	1. and culverts for irrigation.
b) When the riverbank burst	2. for flood protection.
c) Main natural cause of river erosion	3. with many rivers.
d) The extra volume of water in the rivers	4. valuable farming land is lost.
e) Building embankments	5. is flood
f) Maintaining sluice gates	6. puts pressure on the banks.
g) Extracting sand	7. from river beds.
h) Cutting down trees	8. near river banks.

Answer: (a+3) (b+4) (c+5) (d+6) (e+2) (f+1) (g+7) (h+8)

Thank You
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