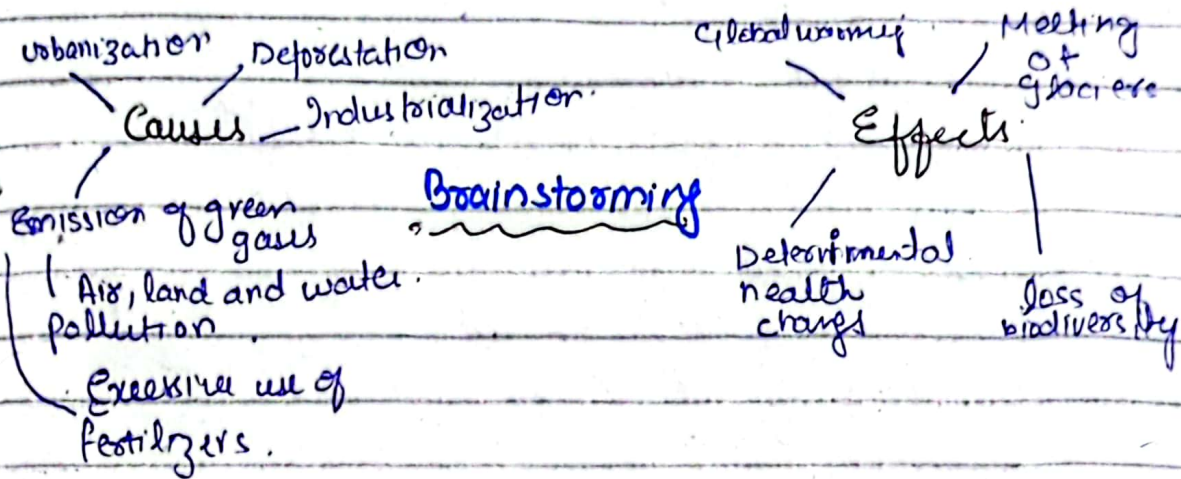


# Essay:-

## Climate change in Pakistan: Causes and effects.



## Outline:-

### 1) Introduction :-

a) Hook

b) Climate change - a crucial intervening variable

c) COP-28 and global agreements

d) Thesis Statement.

### 2) Causes of climate change

a) Urbanization,

• Unsustainable reliance on coal and power plants

• Urban heat island effect

• Overpopulation and excessive transportation

b) Deforestation,

• Forest as a natural filter of air

- <sup>u</sup> Huge requirement of wood
- <sup>u</sup> Soil erosion

### c) Industrialization.

- <sup>u</sup> Huge carbon footprint.
- <sup>u</sup> Unsupervised waste material and pollutants

### d) Emission of greenhouse effect

- <sup>u</sup> Massive burning of crops and fossil fuels
- <sup>u</sup> Exorbitant use of refrigerants and air conditioners
- <sup>u</sup> Depletion of ozone layer

### e) Air, land and water pollution

- <sup>u</sup> Pakistan ranked as worst in terms of air quality.
- <sup>u</sup> Widespread use of plastic
- <sup>u</sup> Dumping oil and grease in water

### f) Excessive use of fertilizers, insecticides, and pesticides.

- <sup>u</sup> Soil Acidification
- <sup>u</sup> Soil-microbe disruption
- <sup>u</sup> Volatile organic compounds as byproducts

## 3) Effects of climate change :-

### a) Global warming

- <sup>u</sup> Droughts and heat waves

• Forest and wildfires

b) Melting glaciers and incessant flooding,  
• Decrease in agriculture yields and flood security

• Mass displacement of vulnerable.

• Loss of infrastructure and human resources

c) Detrimental health challenges

• water-borne diseases such as cholera, malaria, dengue

• Harmful radiations in environment

• Air-borne diseases such as lung cancer

d) Loss of biodiversity

• Endangered and extinct species

• Disturbances in food cycle

• Shift in biological events such as migration

## Introduction:-

It is highly alarming to note that Pakistan is ranked as fifth on the list of most vulnerable countries to climate change. It incurred 998 9 lives and economic loss of 3.8 billion dollars according to the annual report of The Global Climate Risk Index for 2020. Climate change

has become a global issue, it has been recognized as a threat to planet Earth and all living beings by all stakeholders. The number of climate change are increasingly apprehensive, every year they grow to an extent that states that nations have made it crucial intervening variable in diplomacy. Global agreements have been made to mitigate the effect of climate change. The biggest achievement have been made that is apposite to such efforts in the Paris agreement and, recently, COP-28 which refreshed the resolve to achievement achieve National Determined Contributions. However, it is far from over and the journey of a redemption climate is long and difficult. The climate situation in Pakistan is precarious considering every successive government is aware of its repercussions but their efforts are meagre. The cause of climate change are unplanned urbanization, deforestation, industrialization and emission of greenhouse gases, whereas its daunting impacts are global warming, melting of glaciers, flooding and loss of biodiversity.