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Day: Thursday

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Essay:

# Climate Change: Causes and Consequences

## Outline

### A - Introduction

1. Climate Change: An Unfolding Global Crisis

2. Is Climate Change Natural or Instigated by Human Activities

3. Thesis Statement: Today, Climate

Change is the most pressing global issue and a great threat.

It is due to excessive burning of fossil fuels, increased emission of heat trapping gases, decreased global forest cover and over-

populating resulting in devastating consequences, such as, rising sea level, extreme weather conditions, global rise

in temperature, and humanitarian crisis.

## B. Causes of Climate Change

### 1. Excessive Burning of Fossil Fuels

(The current level of  $\text{CO}_2$  concentration soared to 424 ppm - NOAA) ?

### 2. Decreased Global Forest Cover

(more than ten million hectares deforested globally - Global Forest Watch)

### 3. Increased ~~Human~~ Emissions of Heat Trapping gases

(Energy sector of India depends 60% on coal)

### 4. Ineffectiveness of Global Organizations dealing with Climate Change

(COP-27, "Phase down rather than phase out.")

## C. <sup>Consequences</sup> Effects of Climate Change

### 1. ~~Global Rise~~

1. Rapid Melting of glaciers and Ocean warming contributing to sea-level rise

(Global sea-level has rise about 8 inches - IPCC)



## 2- More Frequent and Intense Extreme Weather

(Pakistan's 2022 monsoon season produced significant rainfalls, devastating floods, landslides affecting millions of people.)

## 3- Global Rise in Temperature

(Wildfires → expected to increase 30% in Southeast by 2050)

## 4. Climate change leading to Humanitarian Crisis

(Between 2030-2050, climate change is expected to cause approximately 250,000 deaths per year - WHO)

## D. Conclusion

## Essay

Midway upon the journey of our lives, we found ourselves within a forest dark, for the straightforward pathway had been lost. The world ~~itself~~ finds itself once again in a familiar territory - on the cusp of yet another crisis. This time it is not the travesty of war or the deadly ~~plague~~ claws of a plague, but a natural calamity waiting to wreak havoc on mankind for its cruelty against nature. Since the Industrial Revolution, mankind has made a remarkable progress in various aspects of life. We have seen rapid urbanization, technological innovations, enhanced transportation and global connectivity - ~~that~~ transforming the way we live, work and interact. But, being lost in shaping the world, and changing the way of life, human



beings forget about the impending doom, which is lurking because of their innovations, that is, climate change. Man has gradually damaged the very air that we breathe, the soil that grows our food and the water which is important for sustenance of life over the period of almost two centuries. Now we are facing/feeling the impacts of climate change as Obama said in 2015, "climate change is no longer some far-off problem, it is happening here, it is happening now". Today, climate change is the most pressing global issue and the great threat. It is due to increased emission of heat trapping gases, excessive burning of fossil fuels, decreased global forest cover and over-population resulting in devastating consequences including

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rising sea level, extreme weather conditions, global rise in temperature and humanitarian crises. Thus, climate change is posing serious implications on the global level.

Too long into