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Subject: English Essay

## Climate Change: Causes and Consequences

### Outline

#### 1. Introduction

1.1. Hook

1.2. Background

1.3. Thesis statement: Climate change is

a grave issue in these world countries, Human activities, Deforestation,

Rising Industrialization, and Ozone depletion have accelerated the problem

leading to devastating consequences

such as Global warming, Rising Sea level, natural disaster, habitat loss and decline

In agricultural production.

## 2. Reasons Behind Climate Change

### 2.1. Human Activities

- 2.1.1: Burning of Fossils fuels
- 2.1.2 Green House gas Emissions

### 2.2 Deforestation

- 2.2.1 Forests Acts as Carbon Sinks
- 2.2.2 Increases  $\text{CO}_2$  amount in Atmosphere.
- 2.2.3 Raises Global Temperature.

### 2.3 Rising Industrialization

- 2.3.1 Release of fluorinated gases
- 2.3.2 Disturb the chemical composition of atmosphere.
- 2.3.3 Heavy machinery increases Temperature

### 2.4 Ozone Depletion

- 2.4.1 Ozone absorbs harmful UV radiations

2.4.2 Chlorine containing gases  
deplete ozone layer

2.5 Explosive population

2.5.1 Pressure on constraints Resources  
(e.g: water, food, shelter)

2.5.1 Urbanization of agricultural land  
e.g: 300+ societies approved by  
Punjab Government

### 3. Devastating Impacts of Climate Change

3.1 Global Warming

3.1.1 Temperature Rising Faster than any  
record in history

e.g Global Temperature has risen  
1.5°C above pre-industrial level  
(IPCC) ~~2005~~

3.2 Rising Sea level

3.2.1 Melting of Glaciers, ice sheets

e.g (Melting of Greenland Ice-sheets)

### 3.3 Frequent Natural Disasters

3.3.1 Change in precipitation pattern

3.3.2 Catastrophic Floods and Prolonged Droughts.

e.g. "2022 Flood in Pakistan"

### 3.4 Detrimental Impacts on marine lives

3.4.1 CO<sub>2</sub> and other harmful gases in sea water declines PH

3.4.2 Acidity leads to loss of habitats

### 3.4 Decline In Agricultural production

3.4.1 ~~Natural~~ Floods devastates millions  
acre  
of crops

3.4.2 Food Insecurity

e.g. "7.5 million people faced food insecurity and malnutrition after effects of 2022 Flood."

## 4. Measures to Counter it

4.1 Mass awareness Campaigns

4.2 Introduction of Carbon Credit

4.3 Use of renewable Energy

4.4 Forest Planning

## 5. Conclusion