

TOPIC

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Climate Change: Causes & Consequences”

1. Introduction

1.1. Thesis Statement:- Climate change possess an existential ~~threa~~ threat and it is caused by burning of fossil fuels, deforestation, industrial and vehicular emissions, global warming and has dire economic, political and environmental impact.

2. Causes behind the climate change

- 2.1. Burning of fossil fuels.
- 2.2. Deforestation
- 2.3. Industrial and vehicular emissions.
- 2.4. Global warming
- 2.5. Natural Hazardous such as volcanic eruption.

3. Consequences of the climate change.

3.1. Economic Impacts

- a. Impact on Agriculture & food security
- b. Inflation and increased food prices
- c. Long term GDP decline

3.2. Political Impacts.

- a. Resource conflicts
- b. Conflict between states
- c.

3.3. Environmental Impacts.

- a. Rising Global temperatures
- b. Melting of glacier and Polar Ice Caps
- c. Loss of biodiversity

4. Steps to mitigate the climate change.

- 4.1 Reliance on renewable energy sources
- 4.2 Afforestation and reforestation
- 4.3 Installation of catalytic converters on vehicular
- 4.4 Promote climate education and awareness
- 4.5 Carbon pricing and taxation

5. Conclusion:-

"Climate change is the defining issue of our time and we are at a defining moment". These words of Antonio shed light on the stressing issue of the world that is climate change.

Climate change is neither a new issue nor it is settled one. Developing countries are dealing with it successfully. Whereas, underdeveloped countries are still struggling. Unfortunately, Pakistan is one of them. Climate change is caused by burning of fossil fuels, Deforestation, Industries and vehicular emissions, global warming and natural hazardous such as volcanic eruption and has dire economical, political and environmental impacts. These issues are not descended from heavens but they are man made. So, serious and honest efforts are needed to combat the issue of climate change.

4.

To Begin with, the first and foremost reason of climate change is burning of fossil fuels. Fossil fuels releases large amount of Carbon dioxide in the atmosphere. According to IPCC (2021), human activities, especially burning of fossils, have increased the concentration of CO_2 level from 280 ppm to over 420 ppm.

Therefore, burning fossil fuel is a major determinant of causing climate change.

Second ~~im~~noticeable cause of climate change is cutting down of

the trees. According to the world resources ²⁰²⁰ Institute (WRI, 2021) reports that the

world lost 10 million hectares of forest per year. Such immense cutting of trees world wide reduce the ^{earth's} capacity ~~of~~ to reabsorb the Carbondioxide and pollute the atmosphere. Hence, deforestation is a major contributor of the increase level of CO_2 in a atmosphere and cause of climate change.