

Topic:

## Climate Change and Our

## Preparation to Counter it

### Outline

#### A. Introduction

- a) Earth: the only life supporting planet.
- b) Phenomenon of Climate change
- c) Thesis statement

#### B. Causes of Climate Change

1. Excessive burning of fossil fuels
  - a) Concentration of greenhouse gases in the atmosphere
  - b) China, US and India as largest carbon emitters
2. Inordinate Deforestation
  - a) Study of Duke University of the US
3. Depletion of Ozone layer
  - a) Adverse impacts of using CFC-based machinery

## C. Evidences of Climate Change

1. Melting of glaciers, ice caps and snow sheets

a) Report of IPCC

b) Example of Glacier National Park, Montana

c) Greenland lost 217 billion tons of ice in July 2019

2. Rise in sea level

3. Changing weather patterns and climatic conditions

a) Example of torrential rains in Jeddah, Saudi Arabia

b) Heatwaves in Karachi

## D. How Pakistan is trying to Counter Climate Change

1. Ratification of Paris Agreement

2. Climate Change Policy

a) Plantation drive: 10 billion trees tsunami

3. Representation at international forums for climate change

4. Use of renewable energy

a) Example of CPEC projects

## E. Global Initiatives to Counter Climate Change

1. Mass awareness programs
  - a. Earth Day on 22<sup>nd</sup> April
2. Introduction to carbon credit
3. Funds allocation to compensate losses and damages caused by climate change
4. Establishment of UNFCCC and <sup>signing of</sup> other climate change agreements for building consensus of all.

## F. Conclusion

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## Essay

Owing to its blue and green outlook, mother Earth is distinguished from all other planets in the space. Presence of favourable environmental conditions makes earth the only planet that supports life. However, the future of this blue and green happy planet seems bleak. After the turn of 19<sup>th</sup> century, human race's craving for industrialization and

making money started deteriorating the condition of the planet and led to a phenomenon named 'Climate Change'.

As defined by the United Nations, climate change is long-term shifts in the temperatures and climatic conditions. These changes may be natural, such as through variations in the solar cycle, but, since the 1800's, anthropogenic activities have been the main driver of climate change. Excessive burning of fossil fuel has added to the <sup>increased</sup> concentration of greenhouse gases in the atmosphere.

Clearing forests for commercial use has also resulted in the pollution of atmosphere.

Furthermore, the depleting ozone layer and direct exposure of Ultra violet rays have cause direct impact on warming of <sup>the</sup> planet.

Climate Change is not a myth, but a real threat. Its implications are evident in the nature. Sudden melting of glaciers and ice caps, and rise in sea levels are the proofs that our world is going through the process of climate change. In this

regard, several regions of the world have also seen change in their weather patterns and climatic conditions. In the words of the former President of the US, Barack Obama, "We are the first generation to feel the effect of climate change and the last generation who could do something about it." In order to counter the negative effects of climate change, Pakistan is taking certain steps. Pakistan - <sup>one of</sup> the worst affected of the climate change - has ensured its representation in international forums related to climate and <sup>also</sup> ratified Paris Climate Agreement. It has also devised its Climate change policy. The world is also serious about the concerns Climate change has raised. Several mass awareness campaigns have been carried out ~~to~~ on international level. States have also entered into a range of agreements in this regard. Moreover, funds have been allocated to avert the damages caused by the climate change. It is <sup>an</sup> unquestionable <sup>fact</sup> that

climate change is an unavoidable matter of the 21<sup>st</sup> century that is driving earth towards its death. In order to mitigate its adverse effects, world needs to join hands and take measures in the <sup>right</sup> direction before it is too late.