

# Causes and impact of Climate change on Pakistan.

## Outline

- i) Introduction
- ii) Causes of Climate change on Pakistan
  - (1) Green house gas Emission
    - (a) Industrial Emission
    - (b) Transportation Sector
    - (c) Agricultural activities
  - (2) Deforestation
    - (a) Rapid Urbanization
    - (b) illegal logging and timber trade
    - (c) Conversion of forests into agricultural land
  - (3) Energy Production
    - (a) Reliance on fossil fuels (Coal, oil, and gas)
    - (b) Limited use of renewable energy resource.
  - (4) Industrialization.
  - (5) Population growth.

### (iii) Impact of Climate Change on Pakistan

(1) Rising temperature

(a) Increased heatwaves (b) impact on agricultural and livestock

(2) Melting glaciers

(a) glacier melting leading to flooding in northern areas (b) Threats to water availability in the long term

(3) Agricultural losses

(a) Threats to food security

(b) changes in crop yield (e.g. wheat and rice production)

(4) floods and Droughts

(a)

(5) water scarcity

(6) Economic impact.

(iv) Conclusion

# The Essay

"Climate change is a terrible problem, and it absolutely need to be solved. It deserves to be a huge priority" (Bill gates, founder of Microsoft). Climate change is one of the most pressing issues the world faces today, affecting every corner of the globe, including Pakistan. Pakistan is experiencing serious effects of climate change, and the situation is becoming more dangerous each year. Heatwaves are getting hotter, floods are happening more often, and water resources are shrinking. These changes are no longer future threat (they are affecting daily life now. As a country that relies heavily on agriculture, Pakistan is especially vulnerable because the unpredictable weather making farming difficult and put millions of job at risk. Climate change is neither a new issue nor is it a fully settled one. Developed countries are dealing with it successfully. Whereas, underdeveloped countries are struggling. Unfortunately Pakistan is one of them. The causes of climate change are both global and local. While worldwide factors like green house gas emission play a big role, issues like deforestation, unplanned urban growth, reliance on fossil fuel, industrialization within Pakistan are make things worse. The impact<sup>are</sup> from economic losses to threats to food, water security, rising in temperature are already seen. Understanding

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and addressing these causes and impacts is essential for the country's future sustainability and resilience.