

(ESSAY)

The future of mankind in a global warming perspective.

Outline

1) Introduction

2) Background ; Defining Global Warming and its causes.

Ref ; IPCC states earth's average surface temperature will be increased more than 5°C till 2100 century.

3) Man's future in the era of global warming ; Implications of global warming.

3.1) Global warming has caused climate change.

Ref ; 2022 floods in Pakistan.
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3.2) Global warming leads to enhanced wild fires.

Ref; NIFC data and wild fires

3.3) Global warming has caused economic disruption.

Ref; NDMA, data shows >3000 Km infrastructure loss in Pakistan.

3.4) Global warming impacted health of people.

Ref; Global warming will cause more 250,000 deaths till 2050, (WHO)

3.5) Global warming has adversely impacted biodiversity.

Ref; loss of 14.32% of animals and plants species.

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3.6) Global warming has caused food and water insecurities.

Ref; WHO data shows 2 bn people do not have access to safe drinking water.

3.7) Global warming caused glaciers melting and global ice loss.

Ref; NASA's gravity recovery and climate experiment data about greenland's loss.

3.8) Global warming has caused many social problems.

Ref; By 2030, 32 to 132 mn people will live under severe poverty (WB data)

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3.9) Global warming has initiated many inter-states and interstate conflicts.

Ref: Longstanding Pakistan India water conflict.

3.10) Global warming has cultural implications.

4) International efforts by nations to counter global warming and its implications.

- UNFCCC
- Paris Agreement
- Kyoto Protocol (1997)
- Recently held COP-28

5) Further Mitigation measures required to decrease global warming

5.1) Effective national environmental policing is required.

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- Effective disaster management system.
- Strengthening national environmental institutions.

5.2) Increased international cooperation between the relevant stakeholders.

- Implementing international commitments by good faith.
- Developed countries to assist developing ones.

Ref; COP-28 and loss and damage fund

5.3) Collective efforts to reduce GHGs emissions

Ref; COP-28 and Dubai's commitment towards emission reduction.

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5.4) Resilient crops to reduce food insecurity.

- Using biotechnology, climate resilient seeds

5.5) Population planning and controlling is the need of hour.

Ref; China's one child policy

5.6) Sustainable development is required.

Sustainable industrialization
Sustainable urbanization
Sustainable transport

Ref; (IPCC) and global warming reduction upto 2°C requires collective emission reduction from all sectors.

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S.7) Increasing global forest cover is essential to combat global warming.

Ref; Pakistan's Ten bn Tree Tsunami programme.

6)

Conclusion.