

Day: Tuesday

Date: 07/04/2026

(44513 - Sana Qayyum - 092)

Essay:- Climate Change: Causes and consequences

Outline

I. Introduction

1.1. Hook

1.2. Background

1.3. Thesis statement: This essay will explore the causes behind climate change like: Industrialization, deforestation, transportation, burning of fossil fuels and urbanisation leading to severe consequences like: global warming, melting of glaciers, natural disasters and mass migration.

II. Causes of Climate change

2.1. Industrialization

2.1.1. Release of CO_2

2.1.2. Smoke emission

2.2. Deforestation

2.2.1. Use of forests for fuel (wood and charcoal)

2.2.2. Consumption of live stock grazed on forest land

2.2.3. Area required for construction of buildings

2.3. Transportation

2.4. Burning of fossil fuels

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2.4.1. The carbon legacy

2.4.2. Excessive use of heavy machinery

2.5. Urbanization

2.5.1. Economic opportunities

2.5.2. Improved infrastructure and services

2.5.3. Social and cultural pull

2.5.4. Rural Push factor

2.5.5. Surging population

3. Consequences of Climate Change

3.1. Global warming

3.3.1. Eco-system collapse

3.3.2. Rapid temperature shift

3.3.3. Heat waves

3.3.4. Higher temperature and process of decomposition.

3.2. Melting of glaciers

3.2.1. Rising sea level

3.2.2. Warmest years

3.2.3. Albedo effect

3.2.4. Glacier lake outburst floods

3.2.5. Habitat loss

3.3. Natural disasters

3.3.1. Floods

3.3.2. Relentless hurricanes, typhoons and cyclone

3.3.3. Droughts

3.3.4. Volcanic eruptions

3.4. Mass migration

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3.4.1. Land usage

3.4.2. Carbon footprint changes

4 How Pakistan is affected by climate changes?

3 Suggestions to combat the alarming consequences of climate changes

5 Conclusion

The Essay

"We face a true planetary emergency. The climate crisis is not a political issue. It is a moral and spiritual challenge to all humanity."

(Al-Gore, Nobel Prize winner 2007)

The phenomenon of climate change stands as the defining challenge of 21st century, representing a systemic shift in the Earth's weather patterns and average temperatures that transcends national borders. In 20th century the average global temperature was 13.9°C and now in 21st century (2001-2026) the average global surface temperature is approximately 15.2°C. As of 2003, the concentration of carbon dioxide is over 50% higher than it was before the start of industrial revolution in late 1800s. This has become a major threat to all forms of life on Earth and this situation is worsening each passing day. Therefore, this essay will

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explore the causes of climate change like: industrialization, deforestation, burning of fossil fuels and urbanization leading to severe consequences like: global warming, melting of glaciers, natural disasters and mass migration.