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Batch:

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Subject:

English Essay

Assignment Topic:

Make an Outline of Causes and Consequences of Climate Change

Submitted to:

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Outline: Climate Change – Causes and Consequences

I. Introduction

"I have long understood that climate change is not only an environmental issue – It is humanitarian, Economic, Health, and Justice issue as well."
(Frances Beinecke)

- Definition of climate change
- Difference between climate change and global warming
- Brief overview of its global importance

II. Causes of Climate Change

A. Natural Causes

1. Volcanic eruptions
2. Solar radiation variations
3. Natural greenhouse effect
4. Earth's orbital changes

B. Human-Induced (Anthropogenic) Causes

1. Burning of fossil fuels (coal, oil, gas)
2. Deforestation and land-use change
3. Industrial emissions and factories
4. Agriculture and livestock (methane emissions)
5. Use of chemical fertilizers and pesticides
6. Urbanization and transportation

III. Greenhouse Gases and Their Role

- Carbon dioxide (CO₂)
- Methane (CH₄)
- Nitrous oxide (N₂O)
- Chlorofluorocarbons (CFCs)
- How greenhouse gases trap heat

IV. Consequences of Climate Change

A. Environmental Impacts

1. Rising global temperatures
2. Melting of glaciers and polar ice caps
3. Sea-level rise
4. Extreme weather events (floods, droughts, heatwaves)
5. Loss of biodiversity and ecosystems

B. Economic Impacts

1. Damage to agriculture and crops
2. Loss of livelihoods
3. Increased disaster management costs
4. Impact on fisheries and tourism

C. Social and Health Impacts

1. Food and water insecurity
2. Spread of diseases
3. Climate-induced migration
4. Threats to human health and safety

V. Consequences for Developing Countries

- Higher vulnerability due to weak infrastructure
- Increased poverty and inequality
- Food shortages and water stress

VI. Conclusion

- Summary of key causes and consequences
- Urgency of addressing climate change
- Need for global cooperation and sustainable practices