

Topic

Climate change: causes
& ConsequencesOutlines

1- Introduction:

- a- Nature is speaking; will we listen?
- b- Human activities have upset the earth's climate balance.

c. Thesis Statement::

Climate change is mainly caused by human activities such as burning fossil fuels, industrialization and urbanization, deforestation and land use changes, agricultural practices and unsustainable human activities, and its consequences are widespread impacting the environment.

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extreme weather events, ecosystem and Bio-diversity, agriculture and food security, human health economic and social systems as well as human migration and global security.

2 - understanding climate change:

a- Meaning and scope of climate change.

b- Role of greenhouse gases in global warming.

3 - Causes of climate change:

a- Burning of fossil fuels:

- i- Energy production
- ii- Transportation
- iii- Industrial use.

b - Industrialization and urbanization:

- i- Factory emissions
- ii- Urban growth

iii- Increased pollution

c- Deforestation and Land-use-change:

- i- Loss of carbon Sinks
- ii- Agricultural Expansion
- iii- Urban development.

d- Agricultural practices:

- i- Livestock emission
- ii- Fertilizer use
- iii- unsustainable Farming

e- Unsustainable Human activities:

- i- Excessive resource use
- ii- waste generation
- iii- Dependence on non-renewable energy.

4- Consequences of Climate Change:

a- Environmental changes:

- i- Rising global temperature
- ii- Melting ice and sea level rise.

b- Extreme weather events:

- i- Floods
- ii- Droughts
- iii- wild fires

c- Impact on Ecosystem and Bio-diversity:

- i- Habitat Loss
- ii- Species extinction.

d- Agriculture and food security:

- i- Declining crop yields
- ii- Food shortages

e- Health Effects:

- i- Heat related illness
- ii- Spread of disease
- iii- pollution impacts.

f- Economic and social consequences:

- i- Damage to infrastructure
- ii- Loss of livelihood
- iii- poverty and inequality

g- Human migration and security challenges:

- i- climate induced displacement
- ii- Resource conflict
- iii- political and social instability.

5- Pakistan's climate related challenges:

- i- Geographic exposure
- ii- Agriculture Impact
- iii- Economic and human losses.

6- Global response:

- i- International climate agreement
- ii- Role of developed nations
- iii- Role of developing nations.

7- Solutions:

- i- Mitigation Strategies
- ii- Role of individuals and Society.

8- Conclusion:
