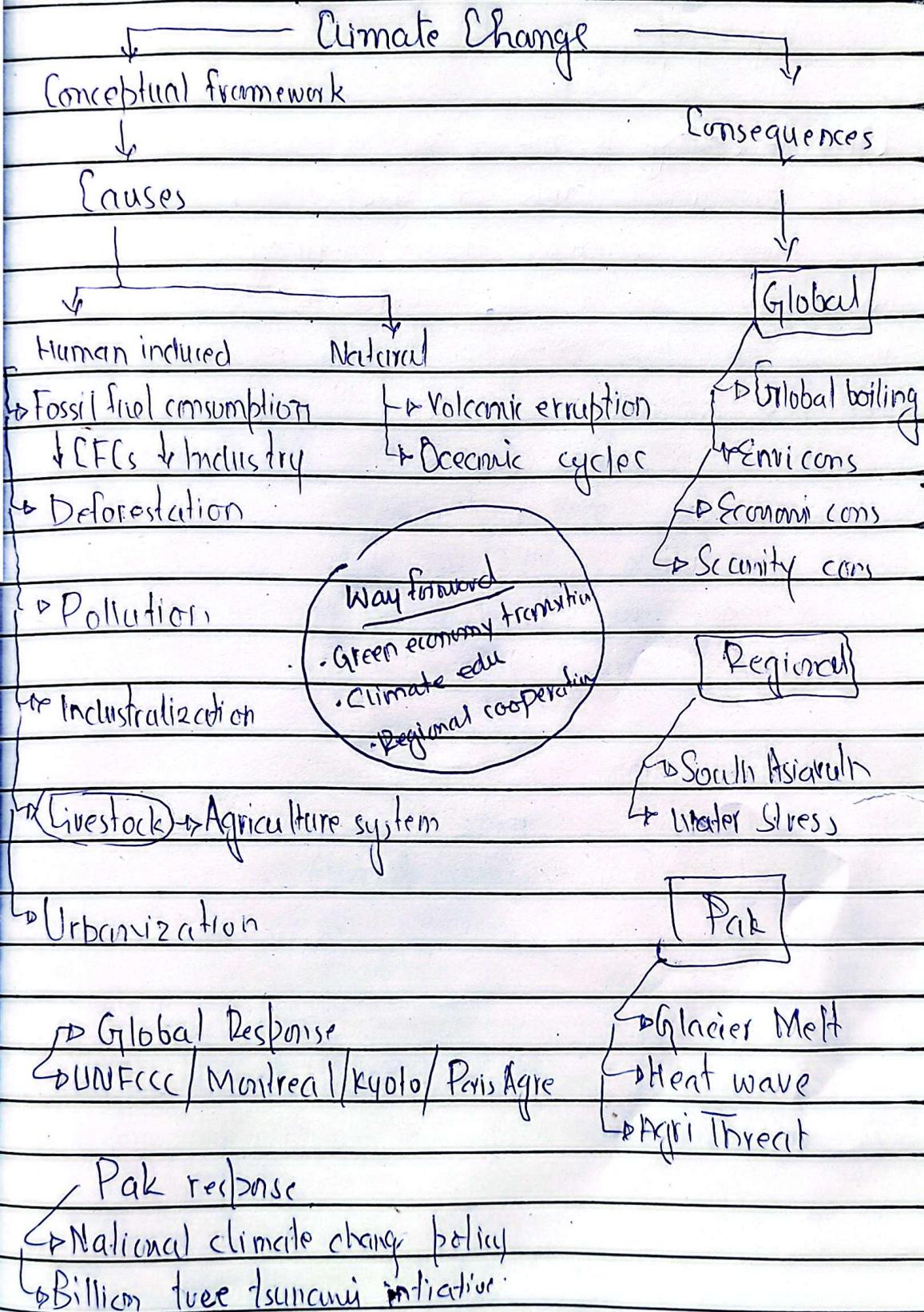


Climate Change: Causes and Consequences

Brainstorming:



Outline

1. Introduction

(a) Conceptual framework

(b) Background

(c) Thesis Statement:

Climate Change is merely not a temperature rise - it is structural crisis of geopolitics, economic and human security from melting glacier to political instability; Pakistan is a frontline victim to the climate change injustice.

2. Causes behind the climate change

A. Human induced causes:

(a). Fossil fuel consumption

(i). Use of CFCs, HFCs

(ii). Excessive use of coal burning

(iii). Cooling Thermal Plant

(b) Industrialization

(i). Heavy use of metals

(ii). Pollution (air, water, land)

(c) Deforestation

(i). Amazon Jungle fall

(ii). Large area for society building

(iii). Infrastructure shape of roads, projects

(d) Agriculture System

(i). Livestock methane gas

(e) Urbanization

(i). Building more properly

B. Natural Cause

(i). Volcanic eruption

(ii). Oceanic cycles.

3. Consequences occurred/faced due to climate change

A. Global Consequences

(a). Global warming to Global boiling (Antonio Guterres)

(b). Environmental Consequences

(i). Melting of Glaciers.

(ii). Rise of temperature.

(c). Economic Consequences.

(i). Dependency of affected ones.

(ii). Damage to human resources

(d). Security Consequences.

(i). Human capital damage

(ii). Declared as "threat multiplier" by Pentagon

B. Regional Consequences

(i) South Asian Vulnerability

↳ Melting Glaciers

(ii) Water Stress

↳ Extreme rise of temperature

C. Pakistan's Consequences

(i) Cloud burst

(ii) Glacier Melt

(iii) Temperature rise

(iv) Agriculture Threat

(v) Migrants problem

4. Global Response

(i) UNFCCC 1992

(ii) Montreal Protocol 1987

(iii) Kyoto Protocol 1997

(iv) Paris Agreement 2015

5. Pakistan's Response

(i) Change in National Climate Policy

(ii) Billion Tree Plantation

6. Way forward

(i) Renewable energy sources

(ii) Green Economy Transition

(iii) Promotion of Carbon currency

7. Conclusion

INTRODUCTION:

In 2019, villagers in Northern Pakistan watched glaciers collapsed into roaring floods, watching home destroyed within a minute—silently reminding that climate change is not only in distant theory but a living catastrophe. As stated by **Bill Mackibben** (An Environmentalist) in the book "The end of nature (1989)" that climate change is first planetary crisis caused entirely by the human, actively, highlighting the era of industrialization, unchecked emissions rising into earth's atmosphere. Climate change is not a historic event but our recent past, caused by our own faults of burning excessive fossils fuels, extreme use of gases like CFCs (Chloro-flouro-carbons), HFCs (Hydro-flouro-Chloro-carbons) and also burning of coal by the industries, factories and thermal plants. Deforestation is also the main axle behind rise of climate change. These were all humane reasons behinds climate change, also natural causes like volcanic eruption and oceanic cycles are driving force behind it. These all cause are affecting global world, regional area and especially Pakistan—which is a front line victim of this climate changes like melting of glaciers, extreme heat wave,

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human capital damaging agriculture sector is drastically been affected. Global world have taken initiatives like UNFCCC, Paris Agreement and some environmental protection protocols. It will be valid to say that climate change is not merely a temperature rise — it is structural crisis of geopolitics, economic and human security from melting glaciers to political instability; Pakistan is a frontline victim to the climate change injustice.