

Correlation of Globalization and Climate change.

1. Introduction:-

Thesis statement:- Globalization though an independent and separate phenomenon links deeply as cause of climate change, climate change in turn, has appeared to be a global challenge for globalization itself. There is need to address the issue of climate change with globalization as toll to curb it.

2. What is Globalization and how does it effect climate change?

3. Negative impacts of Globalization on Rapid climate change:-

- a) Global trade of carbon-intensive technology has cause environment deterioration.
- b) Transport technology invasions
- c) Habitat destruction due to globalization
- d) Economic specialization
- e) Less Industrial developing countries hit hardest on climate change due to globalization.

4. Positive impacts of Globalization on containments of climate climate change:-

- a) The diffusion of climate-friendly technologies would be impossible without Globalization.
- b) Increase Global economic transparency aids Global climate awareness
- c) Globalization enabled super nation powers playing efficient role in rescuing world from climate change
- d) The willingness of countries around the world to cooperate in negotiation for climate change.

5) Steps needed to be taken to make globalization- climate interesting:-

- a) Rapid actions to preserve climate from dire impacts of globalization.
 - b) Urging world to make conscious shift in their styles
 - c) Collective assistance by regional organizations and states.
 - d) Take care of existing ecosystem.
 - e) Global campaign of tree plantation.
- 6) Conclusion:-

Globalization is incredibly efficient but also, so far, incredibly unjust. (Pascal Lamy) Globalization has had commendable impact in the world, with economic development having been enhanced. Nevertheless, it has negatively affected the environment. Globalization and Climate Change are inter-related. Globalized activities such as global trade of carbon-intensive technologies has caused environment deterioration. Similarly transport technology inventions, habitat destruction and economic specialization also cause climate change. Moreover developing countries hit hardest on climate change due to globalization. Besides having negative impacts globalization has several positive impacts on environment. The diffusion of climate friendly technologies would be impossible without globalization. Similarly increased global economic transparency aid global climate awareness. Globalization also enabled supernational powers playing efficient role, and the willingness of countries around

the world in resuing world from climate change. Several steps are needed to be taken to make globalization climate interesting. Rapid actions are needed in this regard. It furthred need to make people conscious about their life style. Globalization can be made climate interesting by putting collective efforts by regional organizations and states. We should take care of our existing ecosystem. Global campaign of tree plantation should be initiated to deal with environment problem. Briefly, globalization though an independent and separate phenomenon link deeply as cause of climate change. Climate change in turn has appeared to be global challenge for globalization itself. There is need to address issue of climate change with globalization as tool to curb it.

Our world is shoking gradually from last couple of centuries due to globalization - a type of relationship amongst the different countries due to exchange of goods and other technologies. Both developing and the developed countries have been satifying their needs in terms of globalization.

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But this increasing pattern of globalization has also put forth consequent effects on our ecosystem. Countries become more industrialized and increased the production of their goods in order to overcome to demand. These industries in turn emitted various harmful gases i.e Green house gases^(GHGs), which acted as a major contributor in the climate change.

It is been assumed that this change in climate is due to human activities, hence alerted ~~everyone~~^{every one} and made it a global issue. The even composition of the atmosphere is altering due to the emission of tones of GHGs through various activities like production, transportation, agriculture etc.

Our atmosphere is gradually warming due to the accumulation of these gases. The impact of this climatic change can cause increase in drought conditions e.g drought of vietnam in 2021, floods e.g floods in Pakistan, 2022 and other disasters.

Human activities due to globalization are closely related to climate change. Globalization

has ~~various~~^{duel} impacts on environment i.e Positive

and negative. Globalization has various negative impacts on environment. It cause rapid climate change. one of the negative impacts of globalization include **Global trade of carbon-intensive technology**. It was started with industrial revolution. The roots of climate change has been seen in industrial revolution. For example in 1882 Thomas Edison used carbon plant for electricity generation. that started impacting the environment. World was also using carbon for industrial activities that started impacting environment. Industrial revolution resulted in exploitation of fossil fuel that released harmful gases to Environment. The industrial activities led to increase in human interference within earth system, and led to deterioration of Environment.

Another factor which urged to have more contribution toward global emission are **transport**. First car was made in 1886 and at the same time climate impacts were observed for example "London Smoke Clouds", droughts in Australia etc.

Globalization has been made possible due to transports such as ships, cars, planes etc they all aided globalization and the same thing increased climate change effects. Transport sector make 15% of global emission as per report released by Intergovernmental Panel of climate change (IPCC). The harmful gases released by vehicle such as carbon dioxide, Nitrous oxide etc increased the concentration of harmful gases in environment that cause air pollution. Hence the environmental cause was forgotten by man while linking the globalized world.

Similarly globalization led to habitat destruction. Due to globalization Trading between countries get started. Transportation has also been started that require infrastructure like roads and bridges. The development of such infrastructure can led to issue including habitat loss and pollution. Development of infrastructure require ^{green} land clearing and loss of natural carbon sink i.e trees. that led to deterioration of environment. It is worth noting that approximately

70 percent of all freight is transported by ship (report by International Transport forum). The more ships that travel by sea, the greater the chances for major oil spills or leaks that damage the delicate marine environment. In many places, mountains are being chiseled away to create room for passing tunnel or motorway. Huge swaths of desolate land have been intruded upon to make new structures.

Economic Specialization due to globalization also has negative effect on climate change.

Economic Specialization causes deforestation and overuse of natural resources. Due to globalization, specialization of things became economic strengths of different nations.

Different nations in knowing they can turn to trading partners for goods they don't produce themselves. Overspecialization led to serious environmental issues, often in form of habitat loss, deforestation and natural resources overuse. For example, illegal deforestation in Brazil due to an increase in the country's cattle ranching operations which requires significant

land for grazing. Overdependency on cash crops such as coffee, and various fruits, which has contributed to habitat loss, especially in tropical climates.

^{similarly,} Globalization has made climate change a great problem for countries who do not indulge themselves in dangerous levels of carbon emissions. The industrialized nations representing less than 20% of world's population account for nearly 90 percent of annual Green House Gases (GHGs) ~~emissions~~ over the last century, largely through the burning of fossil fuels like coal, gas, oil. As compare to industrialized or developed countries, developing countries contribute less to emission as these countries have limited number of industries. For example Pakistan is responsible for less than 1% percent of world's planet-warming gases, yet it is the eight most vulnerable nation to the climate crisis. Similarly Indonesia that contribute only 3% is more vulnerable to climate change e.g. reoccurring floods, droughts, wildfires.

Besides having negative impacts, globalization has various positive effects on

climate change. one of the positive impacts of globalization is diffusion of climate-friendly technology. The diffusion of climate-friendly technologies would be impossible without globalization. The diffusion of green or climate-friendly technologies is facilitated through global networks of industry, capital flows and research and development.

In addition, the rapid dissemination of technological improvements will also make it possible to better monitor and report on all kinds of climate actions. The Green Grids initiative (GGI) was launched by United Kingdom and has now reached globally. Technologies are not changing but globalization is helping these climate-friendly technologies reach whole world.

Furthermore increased global economic transparency aids Global climate awareness. Transparency regarding the scale and type of climate finance provided and mobilized by developed and other countries, and received by developing countries is important for national and international purposes. World can put responsibility on the shoulders of developed

world and major emitters to help work due to increase global economic transparency. For example United Nation Framework Convention on Climate Change (UNFCCC) has made developed countries responsible to help developing countries financially in adopting mitigation and adaptation technology. Hence the funding from developed countries and global transparency in funding can help to mitigate environmental problem.

In the same manner Globalization enabled supernational power playing efficient role in securing world from climate change. Globalization has connected world against the climate change. For example Persian and Roman Empires would not have sat together on climate change this easily. Similarly United forum such UNFCCC and Conference of parties has been established due to global efforts to mitigate climate change. If globalization has ^{not} been ^{not} done, international organization has not been established. The countries should not be made responsible, and would be so consious as they are.

showing concern for climate change

recently.

Moreover globalization promotes the willingness of countries around the world to cooperate in negotiation for climate change.

Countries around the world are willing to cooperate in negotiation of treaties to address this global problem is positive.

example of globalization. Globalization led to global interaction at international level toward the climate problem,

for example interaction of countries under Stockholm conference, Paris agreements and many other treaties. Globalization

also promotes intergovernmental assistance

in connected word for example financial aid packages for Pakistan during

flood from different countries e.g. Turkey,

United States etc. Similarly Build Back

Better World (BBW) is an initiative undertaken

by G-7 countries that can help developing

world. So globalization is connecting world

~~for~~ negotiating for climate. World is

now negotiating and putting pressure

on not only less powerful but also on

Powerful countries like after Trump's withdrawal from Paris agreement, world put pressure of united states in such a way that the new president Joe Biden have to return back to agreement in dealing with climate change. So globalization is powerful tool in bringing world together toward climatic cause.

Globalization and climate change are two distinct but practically inseparable phenomenon. We have overlooked climate change in quest of globalization. It is mandatory to flourish globalization on sustainable-pattern to minimize the threats from climate change. There is need to address the issue of climate change with globalization as tool to curb it.

Various steps are needed to be taken to make globalization climate interesting. Initially world need rapid actions to preserve climate from dire impacts of globalization. We should not wait for coming years; the next five or ten years, we need immediate actions. We have been planning for climate for

long time but we get no output.
An international forum - Conference of Parties (COP) was established in 1995 and that conduct meeting annually to discuss the matter relating climate. There ~~has~~ ^{are} been twenty-seven meetings of COP that has been held till now, but this planning and discussion has no significant output. ~~We~~ To maximize output, rapid actions are needed. These actions may include Afforestation, shifting towards renewable energy sources, conserve energy at domestic and industrial level and many others.

Another steps that is needed; that we should urge world to make conscious shifts in their life styles. Every individual should make efforts in his capacity to make environment safe. People should be educated how to behave eco-friendly. ~~We have~~ ^{Awareness} about use of natural resources should be provided to people. People should use public Transport instead of private Transport. We should avoid buying materials with packing

of harmful material. Cloth bags should be used instead of polythene bags. Use of Plastic should be discouraged. Media is efficient mean of spreading awareness among people. Similarly social campaign should be conducted to spread education and awareness about environment.

Hence individual efforts are needed to overcome the climate problem.

Similarly collective efforts or assistance by Regional organization to work for climate policies and disaster management.

Regional organization keep the countries of respective region. interdependent and together they could take step to make climate policies for their areas for which they could, also help each other. For example OIC water vision 2012, SAARC disaster Management center.

Regional organizations should promote sustainable development based on regional equity. These should strive for containing rural-urban migration; Providing basic facilities in all localities and reducing reliance of fuel. This policy formulation

Should further diffuse to state level policies. These policies include raising awareness at domestic level. Further include grassroots level policies by government. In this regard local governments ~~play~~^{plays} major role which can help in proper implementation of government's policies. Hence the formulation of policies at regional and state level and their proper enforcement can help to mitigate climate change.

In the same manner we should take care of existing ecosystem. For example A documentary was released by Al-Jazeera in 2021; claimed that ~~there is~~ⁱⁿ Pakistan, no proper policy has been formulated in Pakistan. Due to which cities in Pakistan are expanding in unorganized and unproportional way. This massive urbanization is causing various other problem i.e causing issues in flood controlling as happened during flood in Pakistan, 2022. According to Global Forest Watch trees absorb 50 pond of carbon dioxide. So it is important

to avoid deforestation and should plant more trees, hence it is more important to take care of existing ecosystem than to look after other alternatives.

Another way to serve environmental cause is Plantation of more and more tree. Man should strive for increasing Global forest cover. Specifically encourage urban forestation. Forest are natural sink of Carbon dioxide. Trees absorb carbon dioxide and release oxygen in environment. By improving the carbon sink we can ensure clean and safe environment. we should plant more trees on hills as it is absorber of flowing water, hence prevent sea level to rise or flooding. Similarly plantation of more trees prevent land degradation and land slides. we should plant trees on road sides as it reduce the emission from vehicle. This is highly recognized step in United Nations ^{Nations} Summit (UN). Under Sustainable development Goals (SDGs), Funds has been provided to countries for

Plantation. For example Asian development bank provides funds to Pakistan for plantation. Global Campaign of tree plantation is required and major role should be played by artists and famous people in this regard. Plantation drive as a global trend can contain climate change.

In the nutshell Globalization is economically linking the world via trading. But it is important to make it eco-friendly. As Globalization has both positive and negative effects on climate; we should strive to minimize its negative effect on climate. Globalization can be made climate interesting by taking immediate actions. The most important thing that is needed, the individual efforts and his behaviour towards environments. Individuals should change their attitude toward environment and should adopt environment friendly techniques. Everyone should take responsibility toward climate. Individual assistance at state, region and then at international level is effective in

mitigating the problem. Countries should be made responsible and accountable for their actions towards environment. Hence the globalization can itself be used as a tool to reduce consequences of climate change.

"If you really think that the environment is less important than the economy, try holding your breath while you count your money" (Guy McPherson).