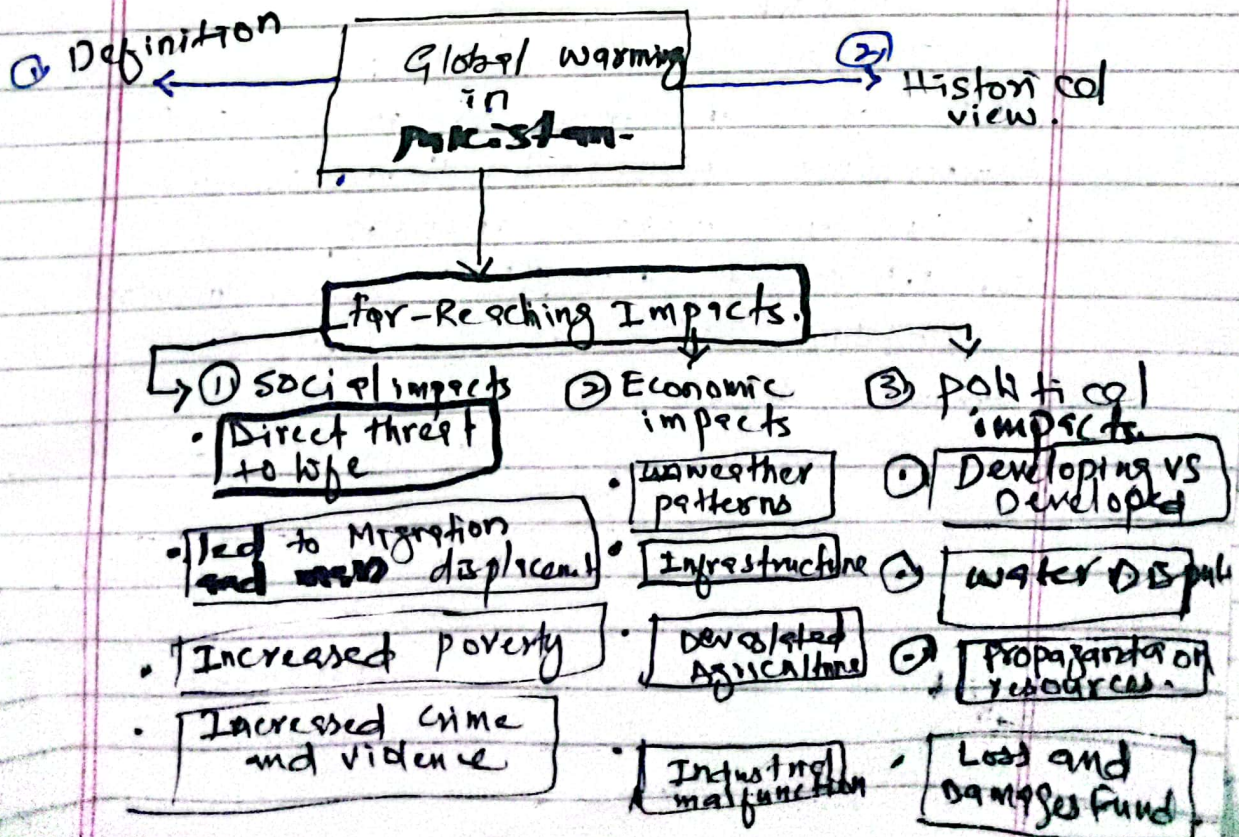


Q. No. Global warming presents an existential threat to states like Pakistan. Examine the far-reaching impacts of global warming on Pakistan and propose a model of economic development that aligns with environmental protections.

Ans:

Introduction:

Global warming is a leading challenge throughout the world. However, it has several impacts on ~~low~~ third world countries especially for Pakistan. The impacts include social, economic and political as well. Therefore, economic development by keeping in view environmental protection is necessary for Pakistan.



① Historical context:

It is generally perceived that Global warming is an artificial challenge more than a natural one. This perception links directly to Industrial revolution in 18th century in Great Britain. After that it looks like a change in global temperature.

② Definition:

Global warming is an impact of excessive emission of green house gases that interact with the atmosphere and disturb the natural existence of atmosphere. In result of this, Global temperature increases.

Far-Reaching Impacts on Pakistan.

① Social Impacts.

1.1) Direct threat to life:-

It is an increase in global temperature of earth. However, due to an average increase of 1.5°C as per IPCC since industrial revolution it directly affected human life.

"Since last four years more than 1256 people died due to increase in temperature in Pakistan."

(Pakistan Meteorological Department)

It led to displacement and migration.

Due to an average increase in temperature there has been a huge displacement and migration of people happened in Pakistan, especially in coastal areas.

"upto 2 million people migrated and displaced throughout Pakistan due to rise in sea water."

(World Health Organization)

1.3) Increased Poverty:- As people displaced they left their business and agricultural crops in that areas.

"Global warming is responsible for pushing 20 million below the poverty line since last decade"

(World Bank)

1.4) Increased crimes and violence:

Crime rates are increasing that resulted in violence. Before such a natural atmospheric change there were crimes but not too much as compare to now.

Rate of crimes due to poverty is increasing because people have to lost their sources of income due to sudden climatic change.

2) Economic Impacts

2.1) Irregular weather patterns damaged stability.

Since 2010, Pakistan has been suffering from various biggest disasters like droughts in Balochistan and Sindh, and after that again in odd monsoons, and floods. Provinces of Pakistan have faced irregular patterns in country.

2.2) Damaged Infrastructure:

Firstly, global warming not damages human health but it hits country's infrastructure. It's taking the example of 2022 floods, 1500 km roads, 3000 km Railway lines, and houses, damaged in country. These damages cost a huge amount of country's economy.

2.3) Deregulation of Agriculture.

Due to increased temperatures, the cultivation of crops that need lower temperature have been faced on problems. Agriculture contributes 23% of Pakistan's G.D.P as per Pakistan Statistics Bureau, and 40% labour employment. Increased temperature has affected this sector by misdirecting labour and

Crop Cultivation.

2.4) Industrial malfunctioning.

As far as industries are concerned, it has been recommended internationally that each country would try to shift to clean energy. Therefore, Pakistan depends highly on hydrocarbons. This shift would impact industrial sector which is already fluctuating adversely.

3) Political Impacts.

3.1) Developing vs Developed Countries confrontation.

On the basis of climate problems especially global warming, the world has been divided in these two poles. However, it gives a new shape to global ~~world~~ order. Major emitters and minor emitters of hydrocarbons are politically confronting each other. This global game has widened climate injustice to third world countries especially Pakistan.

3.2) Water Dispute :-

Due to global warming, winters are going snowless. Snowless winters has caused lack of silt

water. In case of India & Pakistan India is blocking sufficient amount of water by justifying it as it is not intentionally it is naturally happening.

3.3) Propaganda on resources.

Pakistan has various resources, including renewable and non renewable sources. Recent development in Mar coal Power plant which contains 175 billion cubic feet coal per ~~year~~ offered news. Therefore, countries like India, Iran, Afghanistan are doing propaganda of ~~the~~ emissions by ~~of~~ Pakistan gets benefits from Mar coal.

3.4) Loss & Damages Fund:

Internationally, the big powers allocated a fund namely "Loss and Damages". It costs \$100 billion contributed by all major emitters of Hydro carbons. However, Pakistan lost \$30 billion dollars in 2022 floods as per Pakistan statistic Bureau. Adversary countries of Pakistan have probably dealt with Pakistan by not providing sufficient contribution in this fund.

Economic Development model.

1) Usage of Renewable sources:

Pakistan is rich country in South Asia due to its resources. It needs to invest in its renewable energy resources to order to prevent environmental pollution. Because these sources are considered as clean energy resources.

2) Electric vehicles to be introduced.

Most of the developed countries including - Japan, Britain and Germany have facilitated and promoted the electric vehicles in order prevent atmosphere from emission of the green house gases. Secondly, it would reduce the usage of huge amount of hydrocarbon that can contribute in economy of country as it does in developed countries.

3) Reforestation of forests:

Pakistan currently cannot afford afford massive plantation. Looking at the status quo, it is being proposed the best reforestation must be

done to minimize the carbon emissions and save the existing forests.

4) Mechanism of High alert authorities:

Pakistan undergoes several climate problems, including heat waves, massive snowwaves of droughts, floods, but there is lack of issuing high alert by time. If a properly orchestrated mechanism is introduced for only this purpose, it will undoubtedly save the lives of million of people and can benefit economically.

Conclusions:

Global warming is an issue that has unlimited impacts. However, these issues can be addressed by above mentioned steps in Pakistan. This measure would ~~save~~ prevent the country from these impacts - social, political and economic.