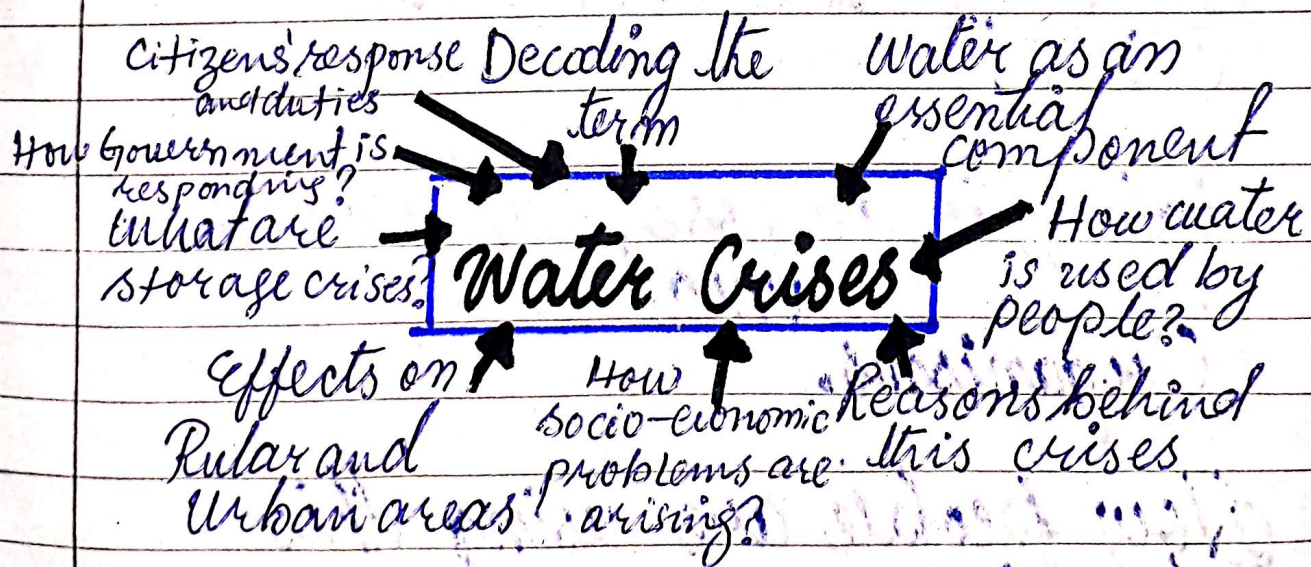


Water Crises in Pakistan:

A shared responsibility
of the government and
the people.

Brainstorm



Outlines

1. Introduction:

- Hook
- Background
- Thesis Statement.

2. Main Body:

- Decoding the term "water Crises."
- Water is an essential component for the survival of living Organisms.
- How people are using this blessing.
- why Pakistan is facing such crises.
- How water scarcity can give rise to various socio-economic problems.

- How badly it can impact Rural and Urban life.
- What are the storage crises?
- How the government is responding to this problem.
- What should be the role and duties of citizens.
- Can combine efforts lead to prosperity?

3: Conclusion.

The Essay

John F. Kennedy says, "Anyone who can solve the problem of water will be worthy of two noble prizes, one for the peace and one for the science." Water crises in Pakistan is a frightening situation that is getting worse day by day. Although, it is not a new issue, despite Pakistan is struggling with it. Developed countries are dealing with it successfully, due to the availability of better resources. Whereas, developing countries are still struggling, and unfortunately Pakistan is one of them. Pakistan is facing severe water shortage due to the lack of suitable policy measures, that are required

to be adopted. Around 95% of the fresh water is being used by agriculture and the rest is used by the industries and household. Currently only

20% of the country's population has access to clean water for drinking purpose where as the rest is surviving by consuming polluted water that leads to severe diseases, creating economic and health burden.

Various projects are initiated by the government to resolve this issues. However, some efforts are required to be performed by the citizens of the state.

Water crisis refers to a situation where there is a shortage or scarcity of clean and accessible water. This situation leads to significant challenges that badly affects the health, economy and development. This situation often leads to

several communicable diseases that creates burden on the economy of the state. Unhygienic conditions when practiced regularly, people loss their lives and morbidity and mortality ratio are increased. Pakistan, where a large ^{area} is occupied by the rural areas their source of earning is greatly ^{mainly} dependent on water. As the literacy rate is not upto the mark so generation after generation people continue their interaction with agriculture. Agriculture, one of the key components of GDP can also be badly affected when such conditions, become a part of our country.

Water is an essential component of for the survival of living organisms. It makes up a significant portion of living organisms, making 60% of the human body. It plays a crucial

role in maintaining the life functions, and essential for cellular functions and metabolic processes. Clean drinking water is necessary for the growth of and development of life.

It also play an important role in agriculture, industries and household activities. Moreover, it contributes to the maintenance of proper ecosystem. Thus, contributing ~~signif~~ significantly in regulating the processes in a proper manner.

Despite people are aware that water is essential for their survival, they often ~~mis~~ misuse and waste this precious resource.

This ~~is~~ ^{misuse} can be seen in various aspects of life. like the use of Inefficient irrigation system that leads to water loss. Additionally, the use of leak and poor infrastructure, and Over extraction of groundwaters, also contributing to

such crises. Although, a majority portion of youth is educated and they are getting awareness from different ~~st~~ sources about the importance and efficient use of water. They consider this resource as a meaningless constituent. That encourages them to use water in an inappropriate manner.

Furthermore, Pakistan a land of many resource is facing this issue. The credit for this situation goes to the government and people. They both are responsible for bringing such crises. As the government is concerned, there is lack of efficient policies and proper infrastructure. The government is not paying attention to bring the policies into action.

Similarly, the resources that are already a part of the country are not getting attention and they are not repaired and.

Consequently severe crises are

faced by the country. On the other hand, people from their own, are doing nothing to address the issues. Their misuse is making the situation worst. Due to lack of education and awareness they are struggling to understand that they ~~can~~ will not be able to progress if they ^{don't} have access to quality water. Overpopulation is one of those factors that is ~~an~~ badly affecting the situation. Industrial and agricultural sectors creating ~~are~~ are becoming the reason behind water pollution as well as, utilizing a large portion of water. Additionally lack of reservoirs and global change are among those factors that are contributing to water crises.

According to PIDE (Pakistan Institute of development Economics).

Pakistan's per capita water has declined from 5260 cubic meters to around 1000 cubic meters, and the country is reaching absolute

water scarcity. Majority of the people in rural areas are associated with agriculture. 90% of Pakistan's water is used in agriculture. 50% of the irrigation water is lost due to inefficient flood irrigation methods. ^{Additionally} Rice and sugarcane contribute to 5% of the GDP, but they consume 57% of agricultural water. Conversely, the urban areas are using water mostly for construction purpose and industrialization. According to PIDE, 40% urban water lost as non-revenue water. Karachi, which is considered as the metropolitan city only gets 50% of its demand.

Building on this idea, Pakistan is among the countries that is facing both facing water crises, as well as water storage crises. According to PIDE, Pakistan water storage capacity has reduced from 16MAF (millions acre feet) in the 1960s to less than 4MAF,

due to siltation in major reservoirs. India has the capacity to store water for upto 170 days, On the other hand, US can store water for 900 days. This shows that storage crises are also required to be addressed. By putting efforts to solve the storage crises, Pakistan will be able to achieve a stability in solving this alarming issue of water crisis -

As a developing country, the government of Pakistan, is taking certain proactive measures to address the water crises:

According to PCRWR, (Pakistan Council of Research in water resources), ~~which~~ Pakistan has initiated several projects to address this issue. One of them is "Groundwater investigation and mapping in Sindh". The duration of this project is 3 years. This project covers irrigated areas under 14 major canals in Sindh Province under including

the desert and the main area.
Its objectives include Analyzing
water table depth and quality,
and accessing canal water discharge
and seepage rates. The project
was initiated due to the fact,
reported by IWASRI, 2015 that
about 60% of the culturable
area of Sindh is under water
logging and salinity. Besides this,
another project named as
"Rehabilitation and of Karezes
in Balochistan" is under construc-
tion, this project will benefit the
people of Balochistan and they will
have access to every free and
sustainable water system,
as compared to the tubewells. Hence,
the government is ^{trying} working
to solve the issues,
for the preservation and
efficient use of water.

In a similar vein, the people
of Pakistan must become aware
of the proper use of water.

As Churchill says, "People can live without love but not without water." This effectively conveys the importance of water, highlighting that life is impossible without it. Therefore, there should be constructive efforts from the people, complementing the government initiatives. Individuals should take steps to save water, their own infrastructure should be in proper conditions, and they should fix their leaky pipes as soon as possible, which waste a significant amount of water.

If the government and the people work together, they can resolve the water crisis more effectively. The government can't tackle this issue alone. Citizens must contribute by playing a positive role. Awareness sessions can educate people, especially in rural areas about the importance of water conservation and the

current challenges faced by Pakistan. This will enable them to adopt measures to resolve the issue. Additionally, a balanced and specified amount of water should be allocated to different sectors, ensuring efficient use. Building reservoirs and dams can help preserve water for future generations.

To sum up, Pakistan is facing a severe water crisis, and the reasons behind this crisis are multifaceted. Factors such as overpopulation, agriculture mismanagement, industrial water usage and improper water practices have contributed to this issue. However, once these factors are addressed, Pakistan can overcome the crisis and manage its water resource effectively. As water is not only a resource, it is a key to life. As Masaru Enoto says "The importance of water is clearly demonstrated in the creation of man himself".