

National Officers Academy

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MOCK Test

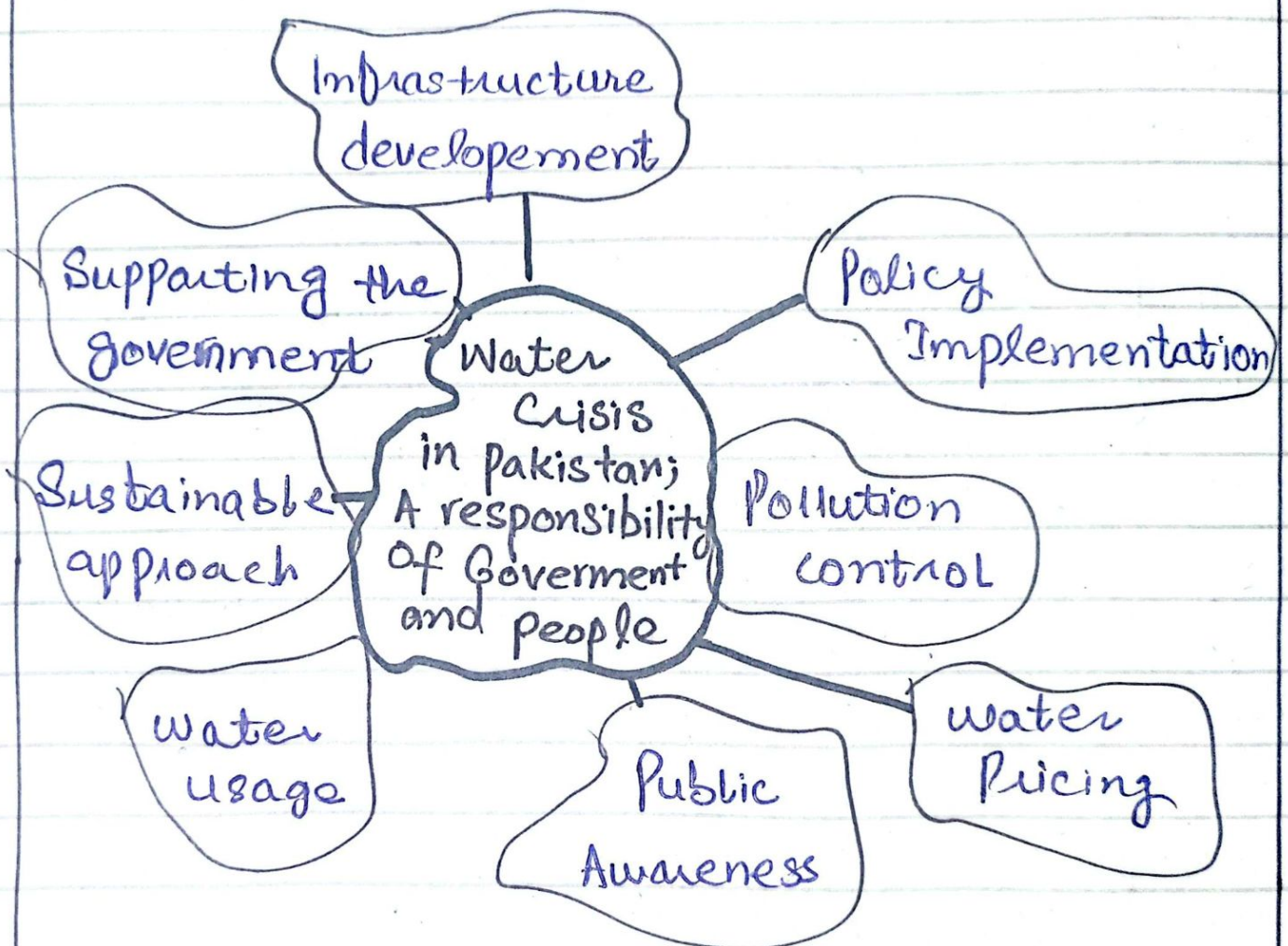
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"English Essay"

Time Duration; 3 hours.

8. Water Crisis in Pakistan: A shared responsibility of the Government and the people.

Brain Storming



"Outline"

1. Prologue

1.1 Hooke

1.2 Supporting Details

1.3 Theme Sentence

2. Main body

2.1 Infrastructure Development

2.1.1 Dams to ensure storage and usage of water.

2.1.2 Underground water tunnels

2.1.3 Water tanks +

2.1.4 Efficient water-irrigation system.

2.2 Pollution Control

2.2.1 Industrial waste management

2.2.2 Sewage system

2.2.3 Disposal of household, hospitals waste

2.2.4 Green Infrastructure

2.3 Policy implementation

2.3.1 Promotion of water saving technologies

2.3.2 Solving water disputes

2.3.3 Analysis of Data.

2.3.4 International Cooperation.

2.5 Public awareness

2.5.1 Usage of water

2.5.2 Waste disposal

2.6 Water Usage.

2.6.1 Industrial level

2.6.2 Domestic level

2.6.3 Agricultural level

2.6.4 Hospitals

2.7 Sustainable approach

2.7.1 Wastewater reuse

2.7.2 Utilization of groundwater resources

2.7.3 drought-tolerant plantation

2.7.4 Investment in water saving

2. technologies

2.7.5 Desalination

2.7.6 Rainwater harvesting.

2.8 Supporting Government

2.8.1 Support local organization

2.8.2 Promoting proper usage

2.8.3 Support international cooperation.

3. Problems faced by Government and public.

4. Epilogue

"Essay"

There is a famous saying of Audrey Hepburn, "Water is life, yet clean water means health" Water is a crucial factor of life on earth. Our survival, including plants, insects and animals is based on water. The 70% of earth surface is comprised of water. The country Pakistan, has an advantage over many other countries that is it is situated on the bank of Arabian sea. However, it still does not provide much help to the water crisis that Pakistan is facing now-a-days. Between 1990 and 2015, water availability per capita declined from 2172 cubic metres per inhabitant to 1306 cubic meters per inhabitant. and it continues to decline further. If not proper measurements are taken, many health, environmental, industrial and economical problems will generate targeting the development and growth of country. However, to cope with water crisis both government and people have to work together as it is a shared responsibility of both parties to work against any critical situation. For government it is necessary to provide proper infrastructure for water usage and storage, policies to cope with

water crisis implementation, to control pollution so that contamination of fresh water can be avoided, to adjust water pricings and provide public awareness. On the other hand, people of Pakistan should use water properly, go for sustainable approach and support government decisions to handle water crisis. So that, Pakistan can avoid the problem related to water.

The Government of Pakistan should work on the infrastructural development for proper usage, storage and avoiding wastage of water. Dams and reservoirs should be built and be functional as well. Terbela Dam, Mangla Dam are some of the major Dams that are operational and quite efficient in coping with water crisis. However, the project like KalaBagh dam are still not operational and even built but such projects can avoid any water problems. Underground water tunnels can help in providing water to the areas where water supply is limited. Water tanks can provide great help in storage of water that can be used by household authorities for daily water usage. Tunnels can be built in arid and semi-arid

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irrigational regions to bring water for irrigation of crops. Thus, proper infrastructural development in Pakistan can play a big role in solving water crisis.

Water pollution is another major reason, Pakistan is facing water problems. Industrial chemicals containing sulphur dioxide, heavy amount of water when run into the fresh water, it gets contaminating making it unusable. Government should work on proper ways to dispose the waste produced during industrial works. In the same way, the waste of hospitals that containing many harmful chemicals is simply washed or dumped in water avoiding land pollution but it unfortunately, causes major water pollution and makes it hazardous not only for people to use but also affecting aquatic life on an unimaginable scale. Domestic waste is also another factor causing water pollution as government should take proper measures and implement laws so that people in industrial, hospital or domestic sectors will think twice before dumping waste in water. Sewage system is another factor. Unfortunately, sewage system is Pakistan's some

regions is power poor without proper cleaning. It is causing health problems and is making the water contaminated and unable to use. Government should work on developing Green roof, green walls and other green infrastructure so water infiltration can be improved and the stormwater runoff can be reduced alternatively.

Pakistan's Government should implement policies related to conservation, adaption, efficient management. For conservation, Pakistan should adopt and develop the technologies that can store water in case of water shortage and efficient use of water. Adaption to climate change can help water crisis. Government of Pakistan should take proper measurements to solve disputes among national and international authorities related to water. The water storage and usage data should be analysed annually and proper measures should be taken according to data, to avoid any hurdle or problem related to water. Pakistan should seek international cooperation related to water as Pakistan's one side is on the bank of Arabian sea that is the route of trade for middle east countries and ASEAN. By

cooperation internationally, Pakistan can work on major water projects that can promote economical growth and help to cope with future water crisis.

The main factor of water crisis include public lack of awareness. Government of Pakistan should help and take proper steps in insinuating awareness related to water, its storage, its crisis and to cope with crisis and help reduce it. As the policies are not of any help, if public is not aware. Different free programs, social media platforms can help the government in that case. People should be aware of the usage of water and avoid the waste disposal in water that causes contamination and ultimately, effect the health of people, also causes the water shortage by making it unusable and contaminated. Now-a-days even if people have awareness, they still recklessly ignore all the preservations taken by government and do near to nothing in contribution to it. So, Government of Pakistan should induced punishments for those who avoid and turn blind eye to all the problems related to countries development.

People of Pakistan are also responsible for water crisis, the country is facing. So, along with Government, People should also help accountable for their deeds. However, the People can also work alongside the government to help coping water crisis. by properly using water on industrial, domestic, or any other levels. People should avoid disposing chemicals from industries in water and use water properly. In Agriculture, the rainwater can be a crucial factor for irrigation by taking proper steps, so that the water can be stored properly. In domestic level, water can be used for different purposes, cooking, cleaning, bathing, laundry. People can prioritize using water for drinking and cooking but can avoid or at least minimize, water consumption for non-essential task like bathing and laundry. They can store water in water tanks and containers in case of water shortage. In agricultural, using water-intensive crops can help reduce water usage. Public campaigns held by people not only by government can help educate people to use water properly and in case of sudden interruption in water supply, to store water so that potential

problems related to health of people can be avoided.

People should go for sustainable approach like waste-water reuse, desalination, rainwater harvesting, ground water utilization. In case of water crisis, people should adopt methods to re-use the water wasted in industrial sectors. Desalination can help use salty water ~~where~~ to convert in fresh water to avoid shortage of freshwater. Ground water can be used in domestic and agriculture sector for irrigation of crops, cooking and many other purpose. People should learn the method, to avoid shortage of water as rainwater harvesting. Rainwater is a natural source of water. In the areas, where there is occurrence of rain is common, people should go for it, so that, they can store water and avoid getting shortage of water. Rainwater can be beneficial for agriculture. In the regions, where droughts are the common occurrence. People should plant the plants that need less water to grow and are tolerant to droughts like castus, etcetra. People should go for water-saving technologies on industrial, hospital or domestic scales

and properly invest in them. So, they can store water in case of shortage of supply of water and on the other hand, properly use water so that, the shortage of water can be avoided.

People of Pakistan should support local organizations that are working for Pakistan in solving water crisis by properly investing in these organizations or by volunteering to work for these organizations on free will. They can also urge these organizations to adopt the sustainable approach in coping with water crisis. Public campaigns and different social media platform can help in promoting proper usage of water for public awareness. Public can gather on different platforms to invest in different projects related to water-saving technologies. They can individually spread awareness among people about the crisis of water Pakistan is facing and will continue to face if public didn't take proper measurements to ensure restoring water and avoid water crisis. Many international cooperations are working for many countries to solve major crisis that also

includes water crisis. People of Pakistan can support such international cooperations. So that, water crisis problem can be solved.

Rapid urbanization, overpopulation, overexploitation of groundwater, improper disposal of water, change in precipitation patterns are the problems causing water crisis. However, rural communities limited infrastructure, lack of awareness are cause of water crisis. Government along with people are paying less attention to them caused the problem to increase rapidly over past years.

Water crisis is a major problem that needs to be addressed. If the government takes the responsibility to solve this problem, and people avoid this, No one can help to find solution. Similarly, campaigns by people, investing local organization to solve ~~on~~ this problem, adopt sustainable approach, and supporting international cooperation to ensure safety of water all done by people of Pakistan solely, will not be as effective as it should. All problems that lead to water crisis in Pakistan today are caused by government carelessness and

people recklessness. So, it is the responsibility of both government of Pakistan and people of Pakistan to ensure the safety of water. Hopefully, one day, when both sectors will work together we could ultimately solve the problem and finish it from its root. As the words of A.H. Auden, "Thousands had lived without love, but no one has lived without water". Sooner or later, both government and public will realize the importance of water and damage that has been caused to intentionally or unintentionally.

