

Q No 2: Climate change is threat to the humanity. Discuss the opportunities and challenges in countering the climate change and also discuss solid waste disposal techniques. Shed light on the challenges and opportunities regarding solid waste management in Pakistan.

Ans: ① Introduction:

There ~~is~~ no doubt that the climate change is a real threat to the humanity as it poses the existential threat to the planet Earth. There are several opportunities through the cancer of the climate can be cured. For example, through sustainable utilization of the natural resources and solarization of the energy sector some of the threat can be alleviated. Moreover, the are faced with certain challenges like, growing poverty in the world and rising the economic war between the world leaders. Including this, there are multiple techniques of the solid waste disposal. Such as, the "Area Method", Trench method and composting. Keeping this in mind there are myriad of opportunities for Pakistan in the sphere of the solid waste management, yet opportunities are also followed by plethora of challenges.

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### ③ How climate change is threat to humanity

Climate change is a single menace that can destroy the Earth's biodiversity through slow poison. So, relating this point with the topsc sentence, it is pertinent to say that the climate change is a real threat to the humanity. As this is the bio diversity that helps the humanity to thrive.

### ③ Opportunities in Countering the Climate Change

#### ① Implementation of Environmental Policies

Through the implementation of the environmental policies, either national or international, the threat of the climate change can be averted. For example, Paris Agreement by UNFCCC or The Climate Change Policy of Pakistan

#### ② International Collaboration to Counter Climate Change

The international collaboration of the countries



will, undoubtedly, help to alleviate the dangers of the climate change that is faced by the Nation-States. As there ~~are~~ many steps taken by the countries to solve the issue via different organization SCO, NATO, UNO

### ③ Shift to Solar Energy: A need of time

To shift from the Hydro Carbons to the Solar energy will also lubricate the speed of Earth's recovery. As, the Solar energy is considered as unharmed to the environment. Unlike that of the Hydro-Carbons. It is pertinent to mention that many countries has envisioned the full solarization by 2030-2045 including Pakistan, India

### ④ Sustainable Industrialization, Urbanization a Panacea for the climate change

As per the "Our World Report" 1983 the sustainable development method can solve the world's environmental problems. Similarly, to integrate the environment with development via the sustainable development models the climate change can be eliminated



## ① Challenges in countering the climate change

- ① Unbinding nature of the international climate policies / treaties

The unbinding nature of the international climate policies is one of the challenges, as the countries do not feel obliged to follow the treaties. E.g. Kyoto Protocol, Paris Agreement and many more were unable to yield the desired effect.

- ② Prioritizing the National Interests over the Global Interests

The economic war between the world economies encourage the countries to side the environmental concerns over the national economic growth. That practice motivate the nations to indulge in the exploiting the Non Renewable energy resources for example, US withdrew from the Paris Agreement concerning her own economic growth.

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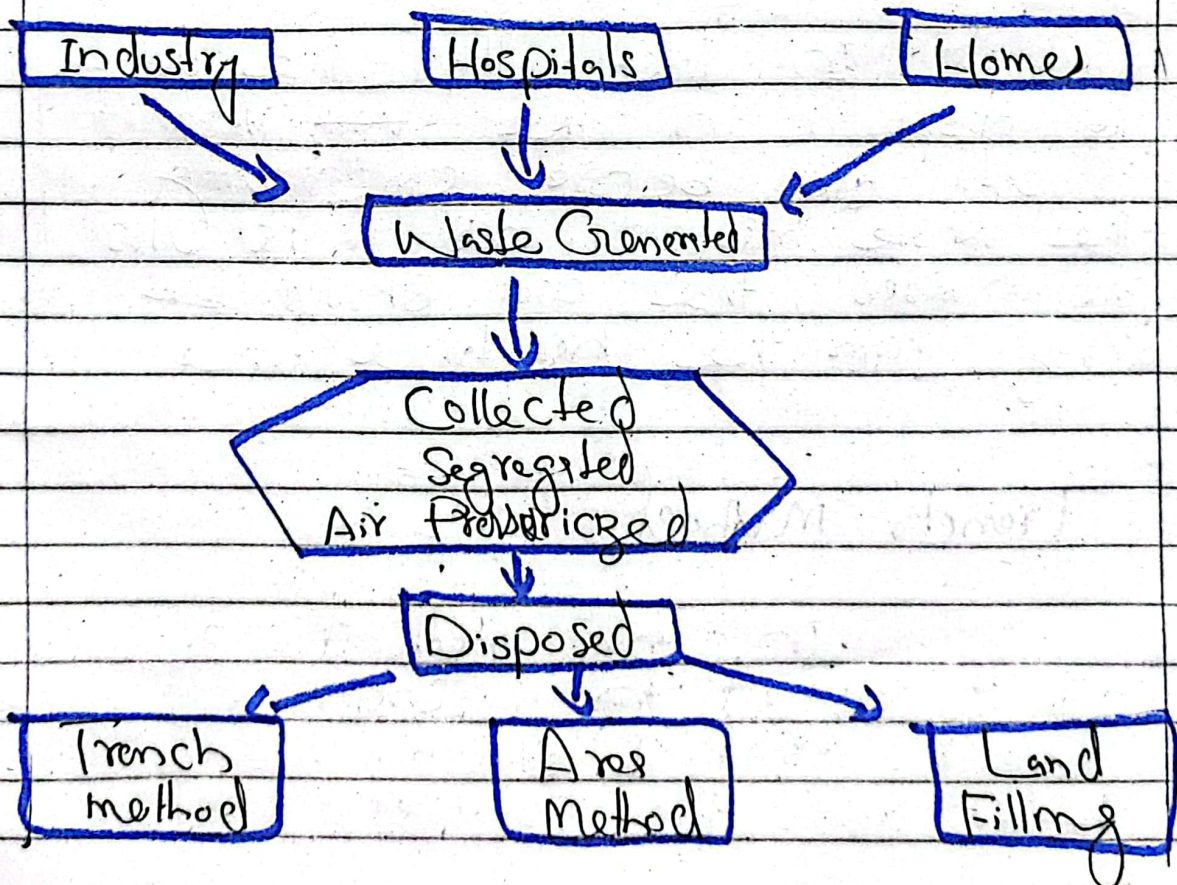


### ③ Poverty and Lack of resources

Poverty and absence of resources are also the biggest hurdle in the way of countering the climate change. As it encourages the masses towards the unsustainable way of development.

### ④ Understanding the Solid Waste Management System

It is a process, where the solid waste is collected, segregated, and disposed. As some of the process is mentioned below.





## ⑥ Techniques of the Solid Waste Management

### ① Land Fill Method

In this method the collected segregated waste material is disposed in an open area. However this method is unsustainable as less prioritized. The conditions for the land fill method is the land area should be away from habitable zone.

### ② Area Method

In this method the waste is disposed in the ~~was~~ vast empty area, before compressing the waste material, as it is also recommended, the area should be away from the habitable zone.

### ③ Trench Method

In this method a cell is digged in a such a manner that it should be below above the water table.



reservoir. After that covered with some mud paste as to save environment from waste pollution.

#### ④ Composting and Vermicomposting

In these methods the bio wastes are taken and added with some bacteria and fungus to decompose. However in vermicomposting the worms are utilized.

### ② Challenges regarding the solid waste management in Pakistan

#### ① Absence of Finance and Human Resource

The solid waste management system requires the a well-trained human resources and the finance for the management. However in Pakistan these both are lacking.

#### ② Pathetic Gesture of Manes toward the terms of the solid waste management department

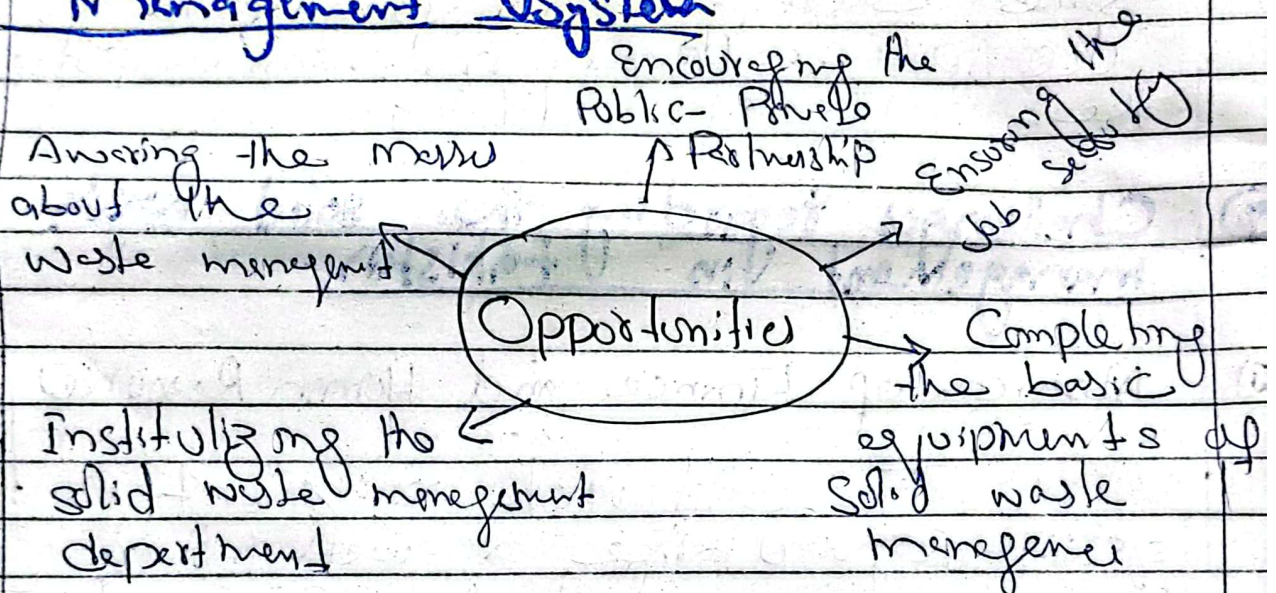
In Pakistan the the employees of the SWMP face the many problems and the pathetic gesture of masses is one of many.



### ③ Absence of Equipment and No Security "Job" for the workers

Owing to massive corruption the department also lacks the primary equipment. Whereas the worker also has no job security.

### ④ Opportunities regarding the solid waste Management System



### ⑤ Conclusion

The climate change poses a very severe threat to the existence of humans on the planet Earth. In order to save the Earth there are multiple opportunities as well as the challenges. Including this the solid waste can be managed by different techniques, keeping that in mind Pakistan also face the challenges in it.