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Essay Test 3

Overview

Overpopulation is a myth, as the world's resources are sufficient to support growing population, and technological innovations will solve any potential shortages.

A Introduction

Overpopulation is considered a ticking bomb, but it is a myth. It is believed that overpopulation will drain earth's resources, however in reality the earth's resources and technological innovations have the potential to mitigate its impacts. If few things are considered ^{and resolved} then overpopulation is a myth.

B Overpopulation: A Myth

- The impacts of overpopulation anticipated since industrial era
- The population has reached above 8 billion
- The earth's carrying capacity is 1.5

C Overpopulation Impacts on World's Resources

- 1) Exacerbating food insecurity: Somalia, Sudan and Pakistan
- 2) Aggravating water crisis: Depleting fresh water reserves
- 3) Increased hydro-carbon production: Warming the earth

- 4) Increased waste generation: Polluting earth's environment
- 5) Urbanisation threatening green lands
- 6) Profound use of land for living. Threatening biodiversity

C Overpopulation and Sufficient World's Resources:

- 1) Food Insecurity: Ash, floods and natural fertilisers replenish nutrients of land
- 2) Aggravating water crisis: water cycle and glaciers conserve water loss
- 3) Increased hydro-carbon production: Sea greatest carbon absorber
- 4) Increased waste generation: Decomposition and rain reduce waste impacts
- 5) Profound deforestation: Even grass contribute to conserving climate by producing Oxygen.

D Manifestation of How Technological Innovations Can Solve Shortages:

- 1) Fertilisers and mutation of plant cells

resolve food shortages

2) Water purification techniques recycle water: Desalination plants

3) Composting and incineration can reduce waste accumulation

4) Green cities and growing plants on buildings conserve environment

5) Renewable energy and carbon sequestration reduce carbon production

E Steps to Avail Maximum Results of World's Resources and Technology:

1) Effective use of technology ^{and resources} is necessary

2) Sustainability of resources considered

3) Developed and developing world take equal advantage of technology and resources.

F Conclusion

Tick-Tock, tick-tock, the clock is ticking. The world is about to end. People are running desperately and hitting into one another. There are so many people on earth. Their waste and excessive use of resources have drained the earth. There is no water to drink, nor any food to consume. The excessive production of hydro-carbons ~~have~~ ^{have} has boiled the earth and now everyone has to die. Thus, the end of the world! This is what Hollywood movies show to its viewers; Overpopulation will result in the death of the world. However, it is just a myth. Though population is increasing rapidly, and the earth's capacity has been reached yet the world's resources and its technological innovations are sufficient enough to sustain the world. Overpopulation can cause food and water shortages, but floods, volcanoes ^{and} water cycle easily replenish the resources. Human activities produce hydro-carbons and waste, but sea and bacteria easily absorb carbon and degrade waste naturally. Moreover, technology further aids in resolving the potential shortages. Fertilisers, water purification techniques, carbon sequestration methods and renewable energy can easily mitigate food ^{and} water shortages. It can further resolve the impacts of global warming which is considered a major threat of ~~21st~~ Twenty-First century. Moreover,

waste management techniques and green cities can further reduce the ramifications of overpopulation. All this can be achieved if the developed and developing world utilise the technology effectively and equitably. Sustainable use of resources can further mitigate the implications of overpopulation. Hence, overpopulation is considered a ticking bomb, but it is a myth. The world's resources and technological innovations are sufficient enough to mitigate its impacts. ^{Thus,} Only if few things are considered and resolved then overpopulation is just a myth.

Since, Industrial Revolution the end of world due to overpopulation was anticipated. People debated that overpopulation will cause multifaceted impacts on earth, its resources and ^{bits} environment. However, since 1856 the world did not end. Then the population kept on growing until it reached eight billion in 2024 and people thought it is about to impact the world, but life kept on going. Then, the Earth's carrying capacity was exceeded and now it is 1.5 which means the number of people dwelling on earth needs one point five earth's to meet their needs. However, they are still living on the same earth and the same planet is fulfilling the need of its people. Meanwhile people like the founder of X Mr. Musk stated that the

Earth will soon die and humans should find another planet to live. Hence, even after exceeding the earth's capacity the planet serves its people and meet their needs. Technology, on the contrary helps people to inhabit the same earth. Therefore, overpopulation is a myth.

In academics and in past people argued that overpopulation will result in food shortage. The people will die of hunger. The land will be deprived of its resources. The same issue arose after agricultural revolution. When food production increased, the population increased drastically. With the increase in population production was bound to increase. The land was unable to provide for the growing population. It was then natural fertilisers such as cow dung which was used to replenish the basic nutrients such as magnesium, nitrogen and phosphorus of land. These nutrients are essential for plants growth and thus, resolved the problem temporarily. Later on it was discovered that floods are beneficial for land as it enriches the soil's nutrients. Moreover, ash is commonly used to enhance soil's productivity. It can therefore, be said that the earth's resources are sufficient enough to feed its people.

Apart from food shortage, water crisis are also aggravating with population boom. It is believed that overpopulation means over consumption of water resources. Moreover, contemporary world is 'seeing' seeing rise in Artificial Intelligence. More people means more utilisation of Artificial Intelligence. It is reported that writing an email of one-hundred words utilise one point five liters of water. Apart from Artificial Intelligence, more water is consumed domestically and for the production of electricity. All these factors contribute in escalating water crisis. ~~Furthermore,~~ ~~obviously~~ these factors may seem bleak, but the world's natural resources are sufficient enough to meet the needs of people. For instance, the water cycle aid in bringing water back to earth. Increasing water bed and filling water reserves. Furthermore, glaciers are the greatest source of fresh water reserves. ~~Therefore~~ Therefore, the world has ample resources for conservation of water and providing sufficient water for increasing population.

To conclude, it can be said that overpopulation is a myth, the world has plenty resources to meet the demands of the increasing population. Furthermore, technology will help in meeting the needs of overpopulated world. Overpopulation leads to food shortage and water crisis. Both, world's resources, ^{and technology} such as floods, fertilisers and ashes can help in replenishing the resources of land. Glaciers, ~~and~~ water cycle and water purification plants can conserve water. Furthermore, overpopulation will utilise more hydrocarbons which can produce more pollutants and can heat the earth resulting in its deterioration. Carbon sequestration technology can help remove carbon from air and sea which covers more than half of the earth ^{is} the best sinkers of carbon. Similarly, world's resources and technology has solutions for waste production and deforestation. Hence, it can be stated that both world's resources and technology are enough to provide standard life to overpopulation. The only steps that people need to take is to ~~utilise~~ utilise the technology effectively and equitably. They must use resources sustainably and ~~thus~~, can ~~use~~ live effectively irrespective of population. Therefore, overpopulation is a myth.