

"Population Explosion and Environmental Degradation are thetical to Each other"

Outline

1) Introduction

Population explosion and environmental degradation in the long run proves to be propotional to each other. Environmental degradation is ultimately one of the ^{major} negative impacts of population explosion

Forms of

2) ^TEnvironmental degradation ways as a result of population explosion

- a) Deforestation due to land capture by growing population
- b) Increasing populations impacts on ecosystem destruction
- c) Contamination of natural waters to meet the generic needs of growing population

- d) Air pollution rise due to growing needs of expanding population of industrialization era.
 - e) Technological advancements along with positive impacts proportionally leaving negative impacts of on environmental degradation
 - f) Rapid depletion of natural resources disruption the natural balance of environment
 - g) Growing competition among nations leaving irreversible impacts on environment causing its permanent distortion
 - h) Growing population with less means of awareness regarding protection of environment
 - i) Twenty first century fast nations more reliance on disposable items for convenience.
 - j) High number of consumers of electricity causing more production with impacts like climate change
 - k) Growing population demand of food met by compromising the ^{natural} environment of earth.
 - l) Advancement in medicinal requirements leaving large residue of medical waste for environmental loss
- 3) Possible solutions to inverse the impacts of population explosion on environmental degradation

- a) Integrated approach to control the population explosion through sustainable policies
- b) Awareness campaigns of masses particularly of women
- c) Elimination of conservative, religious mindset proving hindrance in control of population

4) Conclusion

"We have passed the era of global warming and entered into era of global bioling", said by General Secretary of United Nations in 2024. Climate change and global warming were the long term predicted effects of industrialization in nineteenth century resulting from long term degradation of our environment.

The impact of population explosion doubled the progress of environmental degradation.

From deforestation, ecosystem destruction and contamination of air, land and water resources our world ~~has passed~~ crossed global warming and is now on the verge of climate change, impacting

every person in one or another form. Population exponential increase was bearable before - Like the law of Newton every action has an equal but opposite reaction, population growth has opposite and negative impact of environmental degradation. Environmental degradation from population explosion impacts in many ways - Deforestation and loss of ecosystem to accommodate the growing population is the basic and most neglected impact. It led directly towards climate change that is worst form of environmental degradation. Contamination of water bodies, depletion of natural resources, disposable goods culture, more reliance on electrical goods and advancement of technology and medical health care is impacting our environment descendingly. Awareness among masses and policies reaching every corner could help as an immediate and long term way forward to minimize the already done damage to our earth. Population explosion and environmental degradation in the long run showed their proportionality.

towards each other - Environmental degradation is ultimately one of the major negative impacts of population explosion.

Population explosion has impacted and has been continuously impacting our environments resulting its degradation. According to United Nations department UNDESA report of 2024 world population is eight billion now and expected to expand to ten billion by 2025. This population increase has shown multiple impacts on environment and growing environmental problems. Real time addressing of this problem can bear fruits for future generations.

Trees are the carbon sinks. Cutting down of trees termed deforestation without replanting them is common practice from many years particularly in past decades. This practice is done to accommodate the growing population under the shelter of houses; that are ultimately carbon emitters in many forms. Growing population requires more land to

facilitate them. This is resulting in loss of trees, less carbon sinks and ultimately global warming and climate change.

Natural Ecosystem is the essence of good environmental conditions. According to reports migratory birds in Pakistan are reduced and reducing as compared to past years. This is happening because loss of habitat and natural environment to meet the growing population needs. Population increase ultimately requires increases the needs of more people. This requires more land and resources to survive. Ultimately environment degradation is observed -

Water Pollution a term used for the observed degradation of natural waters like rivers, seas and oceans. According to ~~world~~ UN department of ~~environment~~ environment ^{traces of} aquatic plastic are increasing in aquatic animals. This is ultimately result of growing.

population - the More number of people on earth utilizes more natural waters, aquatic food, more wastes thrown in waters - This is one of the most hazardous impact of environmental degradation of population explosion.

Along with water pollution, air pollution is also increasing due to growing needs of expanding population of industrialization period. Air quality is deprecating to because of growing pollution and pollutants caused by population that has almost surpassed the accumulation limit of sustainable earth - Lahore, Faisdabad, Karachi are among major industrialized cities of Pakistan. Air quality of these are marked worst by world forums. This is because of more industries within cities and less reforms to reduce pollutants - This is the result from growing population and its needs causing degradation of environmental health.

Although, technological advancements is the need of twenty first century. However, along with growing population and more consumption of technological advancements leaves our environment in distorted form.

A new report by an international agency revealed that use of AI chatbots consumes twenty percent more energy than a normal search. This shows that the more people ~~and~~ increases the use of technological advancements that are already deprecating our environment. ^{with} ~~The~~ addition of people this degradation goes in ascending order.

Along with ^{increase in} every need for increasing population our natural resources of fossil fuels, waters are decreasing more rapidly. For average a ~~person~~ car consumes ~~almost~~ approximately ~~twelve~~ one litre hydrocarbon for twelve kilometers. Growing population has growing trend of personal vehicles - ultimately consuming more natural resources in an ~~unsustainable~~ unsustainable way leading to extreme.

impacts like climate global warming from environmental degradation.

In addition to personal impact, overall ~~nations~~ ^{states} competition with each other in every aspect from technological to warfare is growing the threat of environmental degradation due to growing population of ~~nations~~ ^{states} - From traditional wars to hybrid warfare or fifth generation warfare impacts of highly technologized war equipment is causing permanent distortion of environment - Nuclear attacks of America on Japan cities still face the impacts ^{like} ~~on~~ non-vegetative land, retention of radioactive elements and abnormal babies - All these are destructing the natural environment - With growing population and political polarization clashes among states are increasing and ^{on} multiple forums.

As an example Israel is ~~fight~~ in war with Lebanon and Palestine - Russia and Ukraine are in war with each other - All these wars occurring at the same time is because of growing world population. That is ultimately destruction of our earth ^{environment}

With the fast rotation of earth our people are also in competition with time every second. For working fast ~~our nation is more self~~ people reliance on ~~convenience~~ convenience items like disposable packing for food items is increasing. According to UNEP Environmental Protection Report plastic pollution is doubling every year. Alongwith it, research on absorption of microplastics in human brain is a new research topic with a lot of findings. For example instance tea bags are sprayed with microplastics to avoid rupture during transport to consumer. Overall these practices are causing destruction, disruption and degradation of our environment -

Electricity is the basic need of mankind of modern era. Production of electricity is more from non-renewable resources according to stats. These practices are causing pollution that is the biggest enemy of ~~our~~ sustainable environment. With population bulge the

production of electricity to meet the needs is increased rapidly. This is causing ultimate degradation of our natural environment as pollutants increase from use of increased use of fossil fuels.

The more number, the more consumption - Increasing population eats more - To meet the ^{food} needs of our growing population use of pesticides, insecticides ~~has~~ increased. As everything comes with the impacts increased use of pesticides and insecticide to increase food production to degrading the land capacity to grow due to more consumption of nutrients - This will ultimately make arid land barren - causing desertification, that is one ~~to~~ form of environmental degradation.

In addition to advanced medicinal facilities, the medic pathogen has also become more resistant to generic ways of ~~is~~ killing - To meet the needs of

growing medical adv. care. There comes an effect of an increased medicinal waste that is ultimately causing destruction of land, water. Landfills of medicinal wastes are causing constant contamination of land, ~~the~~ ^{natural} waters and air. In case the population is controlled medicinal waste will be ultimately reduced. Resultantly environmental degradation will reduce.

As it is said for every problem there is already a solution present. So, for the problem of environmental degradation due to population explosion, the solution of control of population through awareness among masses is a possible solution. Population can be controlled with integrated approach ~~like~~ ~~China~~ through sustainable policies and elimination of conservative and religious hindrance negatively impacting population control.

Population control is the need of modern-time if we want to save our environment from further degradation. Case studies of China is the best example that shows their integrated approach to curb the problem of population explosion through sustainable policies. Before China restricted one couple one child policy. Now as it has controlled the explosion of population they allowed two children per couple. Sustainable policies are required for nations like Pakistan, with ^{almost} world's highest growth rate causing explosion of policies. ~~And~~ In addition to avoid problem of aging society like Japan.

Awareness among masses can reduce the problem to half. Women makes up ~~almost~~ approximately half of world's population. Alongside they have ability to reproduce. Awareness campaigns among masses particularly ⁱⁿ among women of family planning and use of contraceptives ~~methods~~ can be a game changer. As long as awareness

is not focussed this explosion^{d population} will eventually explode our earth by extreme degradation and unsustainable practices.

Population explosion can be controlled by removing the hindrances coming from conservative and religious mindset - For example Pakistan growth rate is almost 3.5% recorded by World Bank report of 2024 - Main culprit behind is religious mindset of 96%^{Muslim} population of Pakistan - No awareness campaigns are created to address this culprit. The best example is of ~~the~~ Bangladesh whose maximum population is Muslim, despite they controlled and reduced their population growth rate from the time of ~~partition~~ 1970s.

Concludely population explosion is one of the major reason of environmental degradation. The impacts of environmental degradation majorly pollution, global warming and climate change needs to be addressed -

If they are not addressed timely this will cause ~~irrep~~ irreparable damage to our earth. This will ultimately ~~im~~ affect our life on earth. Therefore, sustainable population growth is the need of hour to tackle the issues of degrading environment.