

ESSAY: CLIMATE CHANGE AWARENESS: MORE IMPORTANT THAN CLIMATE ACTIONS

OUTLINE:

1. Introduction

Thesie statement: In the era of global climate crisis, enlightenment regarding environment paves the way for climate action. This encourages environmental conservation. By taking sagacious steps, at local and international level, awareness regarding climate change may exacerbate.

2. Climate change awareness: Panacea for climate crisis.

3. Significance of climate change enlightenment

- a- Early prediction of calamities
- b- Defend against the global warming
- c- Alleviate the death rate owing to extreme weather events.
- d- To control the pollution
- e- Strategic approach to agriculture
- f- Minimize economic damage
- g- Sagacious approach towards industrialization
- h- Transition to renewable resources.

4. How environmental awareness accelerates climate action

- a- Initiation of green transition despite
- b- Conservation of biodiversity ~~undermining~~ climate change.
- c- Establishment of green economy

- d. Fund allocation to climate action plan
 - e. Introduction of artificial rain to curb pollution
 - f. Implementation of climate action policy to curb harmful emissions
5. Ways to foster awareness regarding climate crisis.

- a. International cooperation: Developed and developing countries should join hands to encourage environmental campaigns and actions.
- b. Governments need to initiate plantation drives to fascinate people towards environmental protection.
- c. Social media ~~must~~ ^{ought to} speed awareness about climate crisis.

6. Conclusion

ESSAY:

"protecting our climate is the world's greatest test of leadership." (Antonio Guterres)

This highlights the significance of environmental protection and countering the climate crisis. Nevertheless, actions and efforts to curb climate change are followed by profound understanding of the issue, its causes, effects and ways of mitigation. In order to tackle climate crisis, both people, governments and inter-

ational community need to contribute their
fast to this way, ~~the~~ events of climate
change may be managed without spreading
vast amount of destruction. Owing to the
education of environment, calamities can be
predicted before their out-break. Resultantly,
disaster-hit population can be rehabilitated. Moreover,
problems like global warming, pollution and
widespread dependency on non-renewable resources
may be diminished due to awareness. Besides,
wise agricultural and industrial activities
can be ensured. Ultimately, contributes to economic
uplift. As above ~~manifested~~ ^{mentioned} points of importance
regarding climate change, awareness, it makes
climate action pragmatic. Various actions
have been initiated which foster environ-
mental protection. For example, green transition,
biodiversity conservation, green economy and fund
allocation for climate protection. Furthermore,
method of artificial rain and effective
climate action policy have proved fruitful
outcome. Notwithstanding, despite environmental
awareness and climate actions, world is facing
the challenge of extreme weather events.
Myriad efforts are ~~needed~~ required to counter
climate crisis. International cooperation, planta-
tion drives ^{or government} and social media must
contribute their part to foster climate
change protection. However, all these necessitates

awareness. In the era of global climate crisis, enlightenment regarding climate paves the way for climate action. This encourages environmental conservation. By taking sagacious steps, at local and international level, awareness regarding climate change may exacerbate

Human beings live in the only planet, Earth. The environment of Earth determines the standard of their living. Climate is the crucial component of Earth. In order to protect the climate, wise anthropogenic activities are desirable. This could only be ensured when people get awareness regarding climate change. **Climate change awareness is sine qua non to climate action.** Nevertheless, action would be effective when ~~it~~ there will be wise use of resources and climate related human activities. As it is rightly said: "**Prevention is better than cure.**" Hence human beings are responsible for climate protection. Political will is another major contributor. Through campaigns, awareness must be spread which lead to ^{efficient} actions.

Natural disasters hit hard human beings, Eco-systems, infrastructure and other living beings on earth. Early prediction of calamities lessen the chances of devastation. Due to awareness and education regarding environment, human beings have invented technologies, which are capable of pre-disasters

prediction. Once catastrophe is predicted before its outbreak, early arrangement can be done to facilitate people. Moreover, minimum loss can be ensured. For example, Japan has introduced an emergency announcement system utilizing automated drones to facilitate disaster evacuations. They are equipped with cameras to capture real-time images of disaster-affected areas and transmit them to disaster-response centers to urge people to evacuate. Therefore, due to awareness, technologies can make early prediction and arrangement of catastrophes.

Moreover, anthropogenic activities are directly related to the rise in global warming. Unwise use of Aerosols and CFCs due to ignorance from their deadly affects deplete atmospheric ozone. As a result, temperature rises referred to as global warming. Every increment of global warming will intensify multiple and concurrent hazards only because of humans. Anthropogenic activities have caused global warming, with global surface temperature reaching 1.1°C above in 2011-2021 (IPCC Report, 2023). So, lack of awareness causes over exploitation of harmful substances which are directly ~~to harm~~ damaging the environment. High temperature levels cause glacial retreat, rise in sea level and so on. Hence, the importance of climate change awareness

cannot be down-played.

Extreme weather events affect the life on earth. This happens when harshness of climate events escalate the bearance of living beings. Resultantly, ^{their} death occurs. Lack of environmental education manifests extreme events of flood, drought, temperature and wildfires. Improper management lead to bio-diversity loss and increased mortality rate. More than **2 million** people lost their lives due to extreme weather events and climate-related disasters in the last five ~~years~~ decades, with over **90%** of deaths reported worldwide, occurring in developing countries (**WMO, May 2023**). Damage to infrastructure, economic loss and environmental degradation add more destruction. Therefore, dearth of knowledge and environment management on part of humans lead to frequent deaths.

Another major crisis of climate change is pollution. Human beings are direct contributors to this issue as well. Environment, land, water and air degradation adds to pollution. Main reason behind excessive pollution is scarcity of climate change awareness. Any kind of waste is directly dumped ~~to~~ without being aware of its harmful effects. For example, About **17 million tonnes** of plastic waste

entered the oceans in 2021, making up 85% of marine litter, with projections of doubling or tripling each year by 2040 (SDG Report, 2023). Furthermore, owing to concentration progress of pollutants, air pollution is determined and increased in many regions. For example, Karachi has become the most polluted city in the world due to 2.5 P.M., exceeded the WHO's annual air quality guidelines (IAQI, 2023). Hence, unwise human activities emerging from environmental ignorance escalate pollution.

Besides, climate change awareness is necessary in agriculture sector. Myriad effects caused by agriculture contribute to climate change. Different kinds of emissions fuel climate change. For example, Pakistan ranks among the top 10 countries in terms of methane emissions, primarily from agriculture and waste sector (Climate Change Performance Index 2021). This necessitates a strategic approach to mitigate methane emissions, rather than downplaying its impacts. Moreover, traditional agricultural ways adopted by farmers due to inavailability of modern ways of agriculture also exacerbates climate crisis. Therefore, adoption of recent ways and education regarding agriculture is crucial for climate protection.

Climate change presents a range of risks and impacts that are expected to negatively impact the economy. These include property loss and damage, infrastructure and service costs and risks to financial stability. In order to reduce these risks awareness regarding climate change is crucial at individual level. Otherwise, in case of oblivion, country would face severe repercussions. For example, nearly 12000 extreme weather, climate and water related events over the past half-century around the globe caused economic damage of 4.3 trillion dollars (World Meteorological Organization, May 2023). Therefore, pre-management is vital to prevent economic and environmental devastation because of climate change. Yet, it requires knowledge of climate change.

Over and above, the visible signs of climate change events and hazards have accentuated the need to reduce anthropogenic rampant industrialization. Being uncognizant of ramifications, humans release harmful emissions during different industrial activities. Carbon dioxide emissions and fossil fuels are worth mentioning. Due to ignorance, rampant production of fossil fuels climate change. The world is currently producing 110 pc more fossil fuels by 2030 than would be consistent with limiting warming to 1.5°C (UN Emissions Gap Report 2023). For further, developed

worst & more responsible
developing countries. "The hypocrisy for
nations, particularly the US, as they of wealthy
to expand fossil fuel operations while merely
pay lip service to the green transition,
stands exposed" (Head of Global Political Strategy,
at climate Action Network). Hence, environmental
awareness diminishes unwise industrialization.

Transition to renewable energy is another
solution to mitigate climate crisis which can
be sought through education about environ-
ment. This reduces air pollution. The renew-
able energy shift includes a transition from
internal combustion engine powered vehicles
to more public transport, reduced air travel
and electric vehicles. **Japan** has introduced
e-vehicles which reduces dependency on
non-renewable energy resources. Moreover,
building heating is being electrified, with
heat pumps as the most efficient technology
by far. In addition to the above, the develop-
ment of new technologies such as **energy**
storage and **hydrogen**, the electrification of certain
sectors and digitalization, are various instances
of renewable energy shift. Hence, switching
to renewable energy is a sagacious
step towards climate change.
Nevertheless, environmental action is

followed by climate change awareness. On the basis of enlightenment various steps are taken to counter climate change. Green transition is an initiative taken by many countries of the developed world. It contributes to environment conservation and averts climate crisis. It encourages relying on renewable energy. For example, **Denmark** successfully completed its green transition, stood as an exemplar with an energy sector founded on renewable energy resources such as solar, wind, water and biomass (**Dawn, Dec 2023**). Hence, green transition is an effective initiative as a climate action.

Like other living beings, different animal species are sensitive to climate change and are affected by it. Climate change alters ecosystems and overall environment, manifesting deadly effects on organisms. Various policies are adopted at inter-state to prevent biodiversity loss due to climate change. The **High Seas Treaty** also known as Biodiversity Beyond National Jurisdiction Agreement was adopted at an intergovernmental conference in **New York** in June 2023 after decade-long negotiations. The treaty is designed after profound research and information about environment. In this

ways biodiversity conservation is ensured. In addition to the above, the idea of green economy may alter climate change. It is based on investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy and resources efficiency and loss of biodiversity as well as ecosystem services. Different organizations work on green economy. For example, EU launches green economy initiative in Philippines. In this way, green economy provides employment and income based on reducing environmental risks and ecological scarcities. Hence, initiation of Green Economy will play yeoman service to people.

Moreover, awareness about climate change demand action which requires finance. Adequate fund allocation can mitigate climate crisis. Prosperous countries ~~donate~~ allocate a big part of finance to environment. For example, China established the Beijing based AIIB (Asian Infrastructure Investment Bank). The purpose of this bank was to launch inaugural Climate Action Plan (CAP), committing to allocate at least 50% of its annual financing approvals to climate by 2025. In this way, fund allocation stimulates the climate

action.

With technological development, man has found artificial ways to make natural phenomena to happen. Artificial rain is one of such developments, which is based on cloud seeding. With knowledge and awareness humans artificially alter the weather by enhancing the ability of clouds to produce rain. It diminishes pollution. In modern world, many countries rely on this technique, especially in ~~rain~~ scarce rain regions. **Pakistan** has undergone its first-ever artificial rain experiment in **Lahore** on 16th Dec, 2023, using cloud seeding method. Therefore, due to knowledge and education of environment, artificial ways of environment protection have ~~are~~ been invented.

Besides, effective policies implementation at local and international level alters climate change. These policies are efficient against harmful emissions, lowering their levels. At local level, climate change organizations are active in policy implementation. In **Pakistan**, **National Clean Air Policy** aims to reduce harmful emissions in the next 10 years by introducing interventions in transport, waste and household sectors, agriculture and industry. Hence, effective policies are the result

of profound awareness.

In order to ensure widespread awareness about climate change in rank and file, cooperation at various levels is desirable. Further, stakeholders contribute the bigger chunk of efforts. Cooperation of international community could alter climate change. Developed world is more responsible to carbon emissions than the developing world. Today, China and the U.S. alone account for more than half of the world's CO₂ emissions. Hence, they need to do more carbon cuts. Moreover, U.S. and China being the largest emitters are also the largest stakeholders. Their will could give fruitful results and people will adopt their lifestyle accordingly. Therefore, international community ought to unite to enlighten people.

In addition to the above, at local level, governments should initiate plantation drives which inspire people to plant more trees. Japanese Miyawaki technique create dense forests with native plants. In this way, general people will know the importance of plants for climate and they will start planting more trees. This will ensure not only climate change awareness but also climate and environmental protection.

Hence, education is spread to a wider population in this way.

Furthermore, social media via online and print media may highlight the benefits and demerits of environmental conservation and climate change respectively. This can be done on various platforms. For example, **Twitter, Face book**, and so on. Also, by making short films on the importance of environment conservation, wide population is educated and encouraged to act wisely.

In a nutshell, it is concluded that climate change awareness is the first step towards climate action. Human beings are the main stakeholders responsible to this. Anthropogenic activities based on climate protection lessen the severity of the crisis. Nevertheless, unwise and oblivious degradation of environment lead to harsh and extreme weather events. Rampant industrialization, ^{traditional} agriculture, over exploitation of non-renewable resources and so on exacerbates the crisis. Alternatively, prudent activities ~~require~~ while considering environment damage impedes climate change. Notwithstanding, climate change enlightenment is inevitable to climate action. Besides, political will and international community both should unite to curb

climate change effectively while ensuring
the environment damage at its least.
Hence, climate change is the most significant
problem facing the world which need
immediate action and recognition.
