

Q.NO: 01

# Topic: Can Science Save Us?

## Outline

### A) Introduction

Thesis Statement: Science can save us in various domains of life in one way or another.

### B) How Science can Save Us?

- a) Science saves us in the healthcare sector.
- b) Science generates more production in the agriculture.
- c) Science helps in education promotions.
- d) It facilitates to overcome the threat of climate change.
- e) Revolutionized modern way of communication and transportation.

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(f) Brought political stability in various democratic countries.

g) Properly managed, monitor and evaluated various public institutions.

h) Provides fast track news during natural calamities.

~~i) It assists to collect data and research about an issue to reduce its impacts on human.~~

J) Revolutionized the modern economies.

c) How science is destroying us?

A) Science in the form of AI is replacing human labour.

B) Diminishes the creativity of human.

c) Risk factors are related in the health sector.

d) Traffic accidents have

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taken more lives

e) Personal data and privacy  
are in risk.

D) Conclusion ✓

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In the ancient time people were using herbs for treatment, horses and donkeys for transportation and letters for communication. With the advent of science in later 20th century assisted and saved the human race in various domains of life. In the medical field, it is saving human in diagnosing, surgeries and general treatment. Moreover, science modernized the ways of communication, transportation, education and politics. In addition to it, science has facilitated the human race to reduce the menace of climate change and weathering forecasting timely. However, some critics claim that science is saving in one way and destroying in another way. Science in general and AI in particular replacing human labour. Moreover, overreliance on technology in modern era is attenuating the creativity of human being. Road accidents are increasing day by day and personal data and privacy are in high risk. Contrary to it, where it is destroying the human race these the advantages are surpassing over disadvantages and serving and saving the people in one way or another.

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To begins with that how science is saving us, so you will find its services in the healthcare Sector. Before, the advent of science various diseases were un-treatable. But science made it treatable like malaria, Tuberculosis, pneumonia and the list move on. Similarly, it is saving the human race, while in early diagnosing through modern ways of testing and sampling taking. According to WHO that, with the advent of science it has increased life expectancy upto 15 to 18 years as compared to the pre-science era. So, science is saving the human being in the health Sector through numerous ways.

In addition to it, Science is also saving the human being in the agriculture Sector. As per the data revealed in November, 2022 the world population exceeded from 8 billion. Which resulted, decreased in the cultivation land. on the other way this mass population is consuming more food. As a result the food insecurity and shortage are increasing with every passing year. In

In this scenario science assisted the human being to generate more crops from the limited cultivated area. It provided hybridized seeds, fertilization and pesticides to save the crops from various diseases and harsh weathers. As a result, science has reduced the food insecurity and saved the human race from famine and starvation.

Moreover, science is also saving the human race in the domain of education. Modern day education is totally dependent on science. It is assisting the students in through e-learning via online classes and the availability of study materials at different sites. Furthermore, it is saving the precious times, energies and resources of the students. When the students get education while learning scientific technique through the help of scientific tools; than they similarly use these ways in the practical life and serving the people in every sector of life.

Furthermore, science is saving us as it is overcoming the threat of

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Climate change. Before, the advent of science people were unable to understand the reasons behind extreme heat waves and heavy rainfall. After the advancement of science, it has determined the ways behind the climate change. For which every year conference is convened to present the possible solution to overcome the threat of climate change for the future generation.

Most importantly, science has revolutionized the modern ways of communication and transportation. Before, the advent of modern ways of communication people were supposed to wait for months to receive the response of their letters. Furthermore, before, the advent of science people were using horses and donkeys for transportation. Which had wasted their precious time in case of medical emergencies. After the development of science modern ways of transportation like; cars, buses, trains and aeroplanes are invented. Which transports the people within seconds from one place into another during medical and other emergencies and saving the precious

lives of the people.

Moreover, science has brought the political stabilities in various democratic countries. Before, the advent of science people were using traditional ways of voting as in today era of Pakistan. After election, the polls became controversial and mass protests and congregations were held against the government which had lost \$bn's to the economies of that certain countries. With advent of science in general and ~~and~~ Electronic Voting Machines (EVMs) in specific revolutionized and stabilized the modern democracies. It provides, instant and accurate results without any controversies. As a result the countries like; India, UK and USA are saved from political instabilities.

Furthermore, science has assisted various public institutions in properly management, monitored and evaluated. Before, the advent of science people were using State resources for their own interests. Moreover, these were exploiting the common citizens for doing their legal activities. With the advent of science and different tools like CCTV cameras, internet and online connectivity

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has diminished almost all suspicious activities. Moreover, there are online web sites of every public institutions where you can provide feedbacks about their services and online complain against their staff members. So, science in general and scientific tools in particular have saved the human being from various malpractices in government institutions.

Similarly, science is saving us, while providing timely forecasts about weather. As the threat of climate change is increasing with every passing year; extreme heat waves and heavy rainfalls are usual intimidation with the human being. With help of science in general and weather forecasting satellites in particular providing timely forecasting about the menace of natural disasters. In Turkey, at 2022, cautious measures, telephone numbers and emergency camps were established after the prediction of earthquakes was given by their meteorological department in which thousands of people were saved from the earthquake.

Likewise, science in general and internet in particular is assisting

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is assisting the researchers in collecting data and searching the facts about certain issues facing by the contemporary people. For example, in developing countries like Pakistan is facing various crisis such as; energy, economic, political, health and social. In all of these issues researchers are collecting data about these issues and providing a way forward to reduce its impacts on the people.

Last, but not the least science and particularly exchanges and online trading revolutionized the economic sectors of modern day life. Before, the advent of science people had physically visited the exchanges and banks for buying shares and transactions. With the arrival of modern day online exchanges and trade applications the trade and transactions become more easy. Now people can buy product or any share of any company any where in the world through a single click. It has converted the world into a globalized world and those people can also participate in the economical activities who is far away. So, modern scientific tools of economy vanished the economic crisis of numerous of people

in one way or another.

Contrary to it, as science is saving our lives, similarly it is also destroying our lives as well. Some of the prominent reasons are given below that how science is destroying our lives.

The first and foremost, science is destroying our lives in general and Artificial Intelligence in particular. AI is replacing the human being as a labour. According to the World Trade Organization (WTO), that in next ten years AI will replace 20mn people in the different sectors of manufacturing industries. Moreover, science is replacing the tools of services through an updated versions such as; physical form of radio, PTC and watches through adjustment in mobile phone which has left these department functionless and the employees are now moving without any work. So, AI is replacing the human being as a labour and increased the ration of unemployment.

Secondly, science in general and AI in particular diminishes

the creativity of human being. Mostly, the students are using ChatGPT and Meta AI for writing their assignments and research papers. Moreover, Artists are using it to design, shape and size their sketches through a single click. Due to which, AI cannot predict the human efficiency, capabilities and feasibility through weather harsh areas. As a result, than these the workers and staff faces issues in constructing and implementing the sketches.

Thirdly, in the health sector scientific ways of diagnosing and treatment some miscalculation may also happen through in expert medical technicians. Using scientific tools in the healthcare sector needs theoretical and practical speciality. Due to a little miscalculation during test, surgeries or treatment can waste a precious life.

Fourthly, science is destroying the lives of human being in numerous traffic accidents. Before, the advent of modern ways of transportation people were using healthy ~~was~~ means of transportation. Through which their health

remained fit like shifting to another place through walking. While, with the advent of modern day transportations abundance of people dies in road and ~~air~~ aeroplane crash accidents on daily basis. According to bloomsherge Report (2023), that in the previous year more than 20 international airline crashed and more than 6 thousands people were died in plane crashes.

Lastly, with the advent of science in general and internet especially social media apps in particular are a threat to the lack of personal data and privacy. The users are uploading their personal data including pictures and date of birth. Which are used by the hackers to hide their own identity and target his friends and ~~friend~~ family members for financial gains. Moreover, these data are also use for sexual harassment, criminal activities and illegal smugglings and money laundering.

To sum up, it can be conclude that with the advent of science, the people are saved by it in a positive way. Some critics associates the ways as, it is destroying

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destroying the human being. But the benefits are more than as compared to harms. such as; it services are noteworthy in the healthcare, agriculture, education, communication and transportation. Moreover, with the help of science the logic behind climate change is determined to reduce its impacts in the future. In addition to it, science helps to weather forecasts and spread the news about natural calamities to inform and save the maximum on time. The areas, where it is destroying the people could be overcome if certain measures are taken such as; legal laws formulation, awareness, overcome human errors and ameliorate the qualities of scientific tools.

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