

INTRODUCTION: (Outline)

A. Introduction:

B. An Overview of Science:

C. How Science has saved us?

1. Today people are living longer and healthier lives due to science;
2. Automated cars had saved us from many accidents;
3. Science had helped ~~the~~ ^{the politicians} in getting support of voters easily by building various platforms for campaign;
4. Science had helped in increasing transparency in economic sectors leading to an end of corruption;
5. It is due to science that people are able to interpret their religions more accurately according to changing circumstances;
6. It is science that had helped humanity ~~in~~ in building better and better transport system leading to a healthier lifestyle;
7. It is science due to which cures of various diseases are found quickly and helps in prevention of widespread deaths;
8. It is due to science ~~and~~ ~~social media~~ due to which

that people can hold their leaders more accountable avoiding chances of dictatorship;

9. Science had helped ~~us~~ ^{humans} in building better technologies for food production avoiding chances of widespread famine;

10. It is science which had helped ~~us~~ ^{humans} in quick and easy access to information;

11. It is science which has helped ~~us~~ ^{the society} in taking pragmatic steps towards sustainable environment;

12. It is science that has helped ~~us~~ ^{people} in improved decision making and law making;

D. Conclusion:

In the past mythology and religion used to be the source of knowledge. Neither mythology nor religion could help people in getting better lifestyles as mythology consisted of myths and religion was mostly unobjectionable knowledge, which hampered the growth of humanity. With the passage of time, people started believing in logic and other such knowledge which could be proved experimentally. It led to empiricist, transcendentalist, and later finally resulted in scientific school of thought. This advance in scientific knowledge helped people in various forms including better health system resulting in longer ^{life} spans. To help in avoiding deaths due to car accidents, automated cars had been introduced with the help of science. Similarly, it had made the life of politicians easier by communicating with the help of various channels and streams of media. It had also helped in avoiding corruption by encouraging and increasing transparency in economic affairs. Due to advancement in knowledge, the religion could be interpreted more accurately according to changing circumstances. Likewise, it is science which had helped ~~the~~ humanity in building better and better transport system leading to

a more healthier lifestyle. In short, science had helped the humanity in advancing in almost every field and had reduced the shortcomings of various fields by inventing better and better technologies.

Before directly dwelling into how science had saved the humanity from various disasters, it is better to get an overview of science first. Science is basically that knowledge which can be proved. It is a descriptive knowledge rather than prescriptive knowledge. People started from getting knowledge through senses. Slowly and gradually, they developed various theories and proved them experimentally in order to develop such knowledge which could act as a saviour of humanity. They started developing solutions of various issues which helped in further progress of knowledge. Finally, today, science had developed and helped humanity in each and every field leading to a much more healthier and luxurious lifestyle.

Now starting with the benefits of science and how it has helped humanity, it is worth mentioning that

Today people are living longer and healthier lifestyle only due to science. It is science which had helped in identification of the causes of diseases and then developed cure according to it. Earlier, people used to die more frequently and at younger ages because there were no proper medication available to treat the various diseases. Science had also helped in introducing new technologies like CT scan and several others which had acted as a saviour to humanity. According to World Health Organization (WHO) it is science which had helped in reduction of deaths and had also helped in living longer lives as compared to earlier civilizations. Hence, there is no doubt that the credit of healthier lifestyles and longer life spans goes only to science.

Similarly, the introduction and invention of automated cars had helped in reducing the number of accidents world wide. Humans have various shortcomings and cannot have control over all of those leading to accidents. Seeing the various shortcomings of humans, science had developed such intelligent robots and cars which had been

trained tremendously over various scenarios and had been updated accordingly. This had reduced the number of accidents to a larger extent. According to a book named "21 lessons for the 21st century", automated cars will take over these manual transport system by 2050 and will help in reducing the number of cars accidents to a minimum. Thus, it is science due to which the control over the number of accidents had been possible and had helped humanity in a larger run.

Like wise, science had helped the politicians in getting support of voters easily by building various platforms for campaign. Previously, the campaigns were carried out in face to face and by conducting various rallies, ~~that~~ ~~now~~ which costed the politicians alot. The politicians then recovered their lost money by indulging in various corrupt practices while coming in government. Science has helped the humanity here as well, by building various social media and mainstream media platforms, where politicians can carry their campaign easily at a low cost and by building

various narratives which ultimately help them in getting the support of their voters and the public easily and at a much lower cost. In Pakistan, the national parties try to have an upper hand over media in order to build narratives in their favor which could help them in maximizing their votebank. In short, science had made the lives of people easy by providing cost effective and easy to access platforms to people, where they could get each other support more easily and efficiently.

Additionally, science had helped in increasing transparency in economic sectors leading to an end of corruption. Before this, people used the manual methods of delivering cash in hand which had various loopholes and led to widespread corruption. Science had digitalized the economic sectors where every single rupee being spent is made transparent and recorded. Since, every thing is recorded in this digitalized system, people can be held accountable easily, and had resultantly led to minimization of corruption. This had also helped the government ~~enact~~ in better taxation policies. So, it is a win-win situation for both the

public and the government by promoting check and balance system. According to Transparency International, China had progressed alot due to digitization of economy, leading to a more transparent system and curbing the environment of corruption. Finally, it can be concluded that, it is due to science that people had been saved from this evil of corruption by building to a more transparent economic system.

To add more to it, science had also helped the people in getting more better interpretation of their religion. There are various shortcomings due to the wrong interpretation of religions. Like the Satti practice and considering women as inferior entity to male, was all due to the wrong and misinterpretation of religion. These all had led to various social right issues where the females were suppressed and deprived of many rights including educational rights. Science had helped people by developing various rights of humans and legalized it through laws. Science also helped in developing international organizations like ^{International} Human rights Watch and many more, in order to ensure

equal rights by helping and educating people as much as possible. According to a book named "Islam, a misunderstood religion" by Muhammad Qutub, science had helped people in better interpretation of religion and ultimately resulting in more rights for the suppressed genders. Hence, it is science that led to more and rights of people, by helping them in ^{getting} better interpretation of religion.

Similarly, it is science that had helped humanity in better and better transport system leading to a healthier lifestyle. Earlier, the transport system was very slow and it was difficult for people to timely access the hospitals in case of emergencies. However, it is science that led to much faster and efficient transport system, due to which people can get timely access to hospitals. The new transport system is also environment friendly which is further resulting in healthier lifestyle. This has helped the humanity in timely diagnosing and treating the disease, ultimately resulting in saving alot of lives. According

to World Health Organization, millions of lives have been saved in past few decades due to faster and environment friendly transport system. In short, science had saved the humanity here as well by building faster and environment friendly transport system.

Moreover, it is science due to which cures of various diseases are found quickly and helps in prevention of widespread deaths. Earlier due to poor health and diagnosis system, people used to die even of small diseases like flu and malaria. But now, due to advancement in science, the medical sciences had been improved tremendously and due to its efficient diagnosis and cure system, a lot of people have been saved from death. Science had led to development of various fields in order to tackle ^{the} ever increasing types of diseases in the world. Recently, China had become a victim of COVID in 2019. A lot of people were on the verge of death, but it was only the advancement of science which helped in diagnosis and timely

cure and prevention system which saved alot of people from dying. Thus, it is evident that science had saved humanity by building better and better health system in the world. science

Similarly, ~~Science~~ has helped in awareness of people due to which the chances of dictatorship are being reduced in the world. Science has made the people more aware. People now choose liberty and protection of their fundamental rights - democracy - over dictatorship. Science has educated the people and helped in recognizing their fundamental rights. Today, most of the countries are moving towards democracies due to science. Dictatorship dictates and curbs the rights of people, and due to this reason people avoid it. Recently, the president of South Korea declared martial law which was overturned by its parliament and people within a day. This all is mainly due to the awareness being spread in people due to science. Not only, had the martial being overturned, but also the impeachment process was being initiated against the president. Hence, it is clear that science

had resulted in widespread awareness among the people, and due to this they are able to hold their leaders accountable and avoid any chances of dictatorship.

~~Additionally~~ Additionally, science had helped ~~people~~ in building better technologies for food production avoiding chances of widespread famine. Science ~~also~~ had helped in increasing the per acre yield of lands tremendously by building hybrid seeds which are more resistant to environmental changes as well. The newer seeds are environment friendly as they can work in droughts and lesser water scenarios as well. Science had also helping in developing various pestidal sprays which help in catering pests and other harmful insects. Science had developed newer machinery like advanced tractors and robots which help in faster and efficient sowing of seeds. According to World Bank, science had helped the humanity in avoiding severe famines like earlier, by building a more productive and efficient agricultural system. In the same manner, the irrigation techniques, like sprinkle and drip system, had

also been possible only due to science. In a nutshell, science had helped humanity in food sciences and agriculture, by building better technologies for food production.

Similarly, it is science which had helped humans in quick and easy to access to information. Earlier, people had to believe on only few sources of knowledge and that too, were quite difficult for people to access timely. Science has led to development of many websites, apps, books and many more, where people could access the information more easily and is reliable as well. Currently, a lot of chatbots had been developed which can answer any kind of query in a few seconds. People can access it not only through typing, but through voice as well. Introduction of technologies like Chat GPT, had further increased the timely access to information for people. People are using it in various fields and have saved a lot of their time by asking chat GPT rather than going through various books and other sources. Thus, it is science that had helped humans in getting timely access to

reliable information.

Additionally, science had also helped the society in taking pragmatic steps towards sustainable environment.

It is science that had guided the humanity in moving towards greener technologies and adopting renewable and sustainable practices for a better environment. Science had also helped in better town planning and population control, which ultimately is leading the humanity towards a better human friendly environment. Various technologies had been introduced in order to curb the various sources of pollution. Electric vehicles had been promoted which are more environmental friendly than earlier diesel consumption cars. Science had helped in developing various laws in order to cater environmental pollution as much as possible. It was science that had led to the development of SDG's, MDG's, and organizations like COP which is working and limiting the humanity from further polluting the environment. Hence, it is science that had saved the humanity from disasters, by

inculcating various environment friendly norms and actions in them.

Finally, it is science that has also helped the people in improved decision making and law making. Earlier, people were unaware of the various disasters that the polluted environment can pose towards humanity. So, their decisions also reflected that and they took all the decisions without considering any environmental factors. People were having liberty in burning fossil fuels which is dangerous to the environment. It was after the various disasters due to climate change, that people started varying their decisions, and laws were also finally amended to cater for the various pollution related issues. Science helped the people in changing their decision making by moving them towards sustainable practices. Similarly, science also helped in making laws to ensure better environment for citizens. In Pakistan, recently the constitution was amended to add the right to clean environment for the citizens. This was mainly science which helped in changing their decision

making and also in amending the constitution accordingly. To conclude, science had saved the humanity here as well by helping them in improved decision making and improved law making.

In a nutshell, the civilization have progressed mainly due to science, and due to science, they were able to overcome their various shortcomings and save the humanity from disasters. Science had contributed in almost every field and due to this, it had saved the humanity from the various losses. Science had helped the society in better cure development for various diseases and had reduced the chances of pandemics. It has also helped the people in making their leaders accountable and avoid any chances of dictatorship. Similarly, it had helped humans in building better technologies for food production avoiding chances of widespread famine. Additionally, it had helped the humanity in getting quick and easy access to information. Likewise, it had also helped the society in taking pragmatic steps towards sustainable environment.

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Finally, it had also helped the people in improved decision making and better law making. To add further to it, there are various people who are against the science, and one of the view that science had led to regression of society. First of all, it is quite clear that science has saved the society from disasters owing to its various benefits, and still, if there are some short comings, science is working on that as well and will help further efficiently in the years to come.