

Expanding information technology: a curse or blessing.

Date: _____

Day: _____

① Introduction:

The expansion of information technology facilitated human life and development, introducing certain adverse effects, however, its benefits far outweigh its drawbacks.

② How information technology facilitate human life:

i) Information technology is revolutionizing communication systems.

ii) Increase in military capabilities to strengthen state defence system.

iii) Increase industrial growth and development

iv) Revolutionized education and access to knowledge.

v) Promotes transparency and good governance.

Date: _____ Day: _____
②
vi) Improve health services for diagnosis and treatment of diseases.

③ Information technology also has negative implications:

i) Negative activities have also increased due to ease in communication
• misinformation & fake news.

ii) Advancement of information technology in military field leads toward war that against humanity

iii) Jobs replacement with machines ~~exce~~ increase unemployment.

iv) Exacerbate threats of cybersecurity and data theft.

④ Information technology has far most benefits than its drawbacks:

i) Misuse of technology is driven by human intent, not IT-itself.

(3)

Day: _____

ii) Control and regulation over IT revolutionized defence sector.

iii) Information technology manifold production capacity of industries.

iv) Rational use of information technology facilitate students performance.

(5) Conclusion:

Japan has witnessed of the devastating effects of world war-II, millions of people lost their lives and properties. It happened due to absence of appropriate air defence system to intercept the allies strikes. Now the world has been revolutionized to have the tendencies to neutralize the ~~em~~ enemies attacks to protect the territory. That's reflect the growth of information technology, which

has alter the ^{lives} life of human beings. Technology without hatred can be blessing and technology with hatred is always a disaster. Information technology is playing a crucial role to facilitate human life and development. It revolutionized communication system to make possible ~~people~~ person to person ^{communication} ~~contact~~ without any physical contact. Its expansion increase military capabilities to strengthen state defence system. Moreover, it increase industrial growth and development, revolutionized education system and promotes good governance and transparency. It also improve health services to ease diagnosis and treatment of diseases. On other side, it also has certain adverse effects like ^{rise of} negative activities due to ease of communication, advancement in military capabilities leads toward war and increase unemployment. However, its blessing

Date _____ (5) Day _____
is far outweigh than its disadvantages including misuse of technology is not driven by information technology itself, control and regulation over IT revolutionized defence system, it manifold industrial production and improved student performance.

The expansion of information technology facilitated human life and development, introducing certain adverse effects, however its benefits far outweigh its drawbacks. Therefore, the expansion of information technology is more productive than its negative implications.

The expansion of information technology has greatly facilitated communication systems throughout the world. It enables person to person contact and exchange of information without any physical connection. The invention of various software and ^{communications} devices make possible people to people contact.

to make world a global village. For instance, in September 2024 - more than 5.17 billion people world wide use social media. which is more than the double the number of user in 2015. ~~which~~ ^{It} represent about 63.7% of total population of the world. This shows the fast expansion of information technology in field of communication. Therefore, information technology is revolutionized communication system throughout the globe.

Moreover, the advancement of information technology is increasing military capabilities to strengthen state defence system. It alter traditional way of warfare to modern military tactics and modern defence technology. These advancement of information technology ^{ies are} not only changed war tactics but ^{also make} more stable human lives and

properties. For example, Israel air defense system - Iron Dome - is advanced technology have multi layered approach. It is designed to protect nation from a range of aerial threats, including rockets, missiles and drones. It intercepts rockets and artillery shells upto to range of 70km.

As a result, the capacity of military capabilities are increased due to information technology. Therefore, these advancement of information technology ensure nations protection and revolutionized military technology.

Furthermore, due to faster growth of information technology the industrial growth and development are also increased. Industries mostly in developed states have been run by the tools of modern technology and methods. Robots and automated systems controlled by IT-systems to perform industrial tasks like assembly, welding and painting.

which increase production and
reducing labour costs. For instance,
Coca Cola company has introduced
totally AI (Artificial intelligence)
machines to make beverages and
to assemble and make them.

which not only increase productivity
~~but~~ ^{but} also reduce labour costs.

Therefore, information technology
is increased industrial growth
and development across the globe.

In addition to, education
systems has also been revolutionised
due to the growth of information
technology. It make possible
teacher and student contact
and access to knowledge
through online means, without any
physical connection. Many softwares
~~are available~~ like zoom, google
meet, google class room you tube
etc ^{are available} to develop a class like
environment for the exchange of

Date: _____ Day: _____
(9)
knowledge and information. For example in Pakistan, there are about 23,462 students are enrolled in Pakistan's virtual university since 2002. These students used are using these online apps for the gain of education. They ^{are} also ~~took~~ taking classes and giving examinations through online mean. This shows that, information technology has ^{been} playing essential role in the development of education system.

Similarly, the role of information technology is too significant in the promotion of transparency and good governance. Government and non-governmental organizations in most of the countries of the world ^{are} using IT based softwares and devices to ^{detect} determine corruption and other evils in their institutions. For

instance, in United state for the transparency in government procurement contractpedia uses AI-technology to analyze government contracts and provide citizens insights into government spending. By the analysis of data to using these technology in government policies and services, the transparency will be increased continuously. Therefore, the advancement of information technology promote ^{good} governance and transparency in the state affairs.

like wise, the growth of information technology has is improving health services for diagnosis and treatment of diseases. IT enables health sector ^{to} diagnosed and ^{cure} ~~cure~~ the diseases through the use of modern technology in a easy way. In most of the modern and

Technological developed countries of the world ^{and using} these technologies are used to diagnose different disease through IT based system like X-ray, MRI, CT-scan etc. For example, in 2024 Hong Kong university of science and technology developed a medical model - medical chat GPT - that can assist with diagnosing upto 30-types of cancers and other diseases which has the potential to reduce diagnosis time upto 40%. Therefore, health sector have been revolutionized due to the advancement in the field of information technology.

Misinformation and fake news are the negative implications of the ^{growth} advancement of information technology in the field of communication. People use these technology negatively for the gain of their self-interest. They spread

fake news and ~~misinformation~~ ^{misinformation} to disturb peace in society. For example many non-muslim countries and organizations are using pro social media and different communication mean to spread misinformation and fake news about Islam and muslims. These propaganda creates islamophobia in western world. But muslims spread terrorism and extremism by the name of Islam in the world. As a result people explore negative thought in their mind about Islam. Therefore, negative activities like misinformation and fake news has been exacerbated due to ease of communication.

In addition to, information technology has been used negatively in field of military, which leads toward war, but is against the international law and human rights. The expansion of military technology depends on

human mind and conduct. Some aggressive leaders and aggressive state used these technology against human being, which leads towards a devastating war. For example, Havana Syndrome in Cuba city Havana ^{caused} mental disorders, ~~and~~ acute headache and nausea reported in diplomats of USA and Canada in 2016. Later it was also reported in American diplomats in Russia and China. So USA, claimed that Russia used ~~sonar~~ sonic and microwave radiations to effects American diplomats physical and mental capability. This is called technological warfare. This shows that revolution of information technology in ^{sector} ~~field~~ of military lead toward war. Moreover, information technology revolutionized industrial sector but ~~it~~ ~~place~~ machines in place of to

Date: _____ (14) Day: _____

work. These machines are run by the modern IT techniques to increase productivity ^{& labour cost.} Its adverse implication is to increase unemployment rate across the globe. According to Global AI - agency that Artificial intelligence has replaced about 30% of human jobs in 2023. This means that ^{growth of} information technology has essential role in exacerbating unemployment rate. Therefore, information technology replaced jobs with machines in industries to increase unemployment rate.

Similarly, the advancement of information technology has exacerbated the threats of cybersecurity and data theft. On one side, it facilitates the life but on another it creates difficulties for the people across the world. Many private and

State sponsored attackers remain undetectable for long period of time to steal data or breach privacy. For instance, in 2020 Solid winds cyberattacks suspected that state sponsored hackers compromised the software provider updates impeding organizations globally including United State government agencies. This shows that advancement of information technology exacerbate cyber security threats and data theft.

Seeing in evidence that information technology is revolutionized communication system but it also have certain

Seeing in evidence that, information technology increase the spread of misinformation and fake news but it is not valid.

how they used these technology. For example the pen is use for writing but which is its benefit but if someone use it to hit someone that lead toward death. This mean that the fault is not in the technology but the fault is in user mind. Therefore, information technology is driven by human intent, not by itself. As a result information technology is far most outweigh than its curse.

Moreover, information technology strengthens defense sector by developing military capabilities. The control and regulation further revolutionized defense systems to ensure peace and stability. For instance the used of nuclear weapons in world war-II on Japan create great destruction, but it did not use by itself. It

was the "intend" of uses. Now the regulation and control through Nuclear proliferation treaty (NPT) on nuclear weapons ensure that it will be used for security purpose only. This mean that regulation and control over informatics technology will not only strengthen defense system but it maintains peace also in the world. Therefore, informatics technology is far most blessing than curse.

The growth

Further more, the growth of informatics technology manifold industrial production. The use of modern machines and advanced technology increase industrial production and reduce product cost. On other side it exacerbate unemployment in the world. For example in United state unemployment rate is 4.0% but in 2023

there industrial contribution to GDP was 20.7%. This mean that its production is more than unemployment. Therefore, the expansion of information technology is a blessing a curse.

In last, rational use of information technology facilitate students performance in education systems. They can take online classes and access to knowledge without any restriction. Its negative implaction in field of education is to waste of time and energy but most of the students take huge benefits for information technology in field of education. For instance, only in Pakistan ~~for~~ since 2022 ^{there} ~~they~~ are about 23,462 students enrolled in Pakistan virtual education system. These students

Date: _____ (19)
used these ^{information} technology to get
education from even in remote
Day: _____

areas. As a result, the blessing
of information technology is
for most than its disadvantages.

In a nutshell, the expansion
of information technology creates
huge positive change in the
world. Almost, every element of
human life has been altered

by technology. Many people believed
that information technology has
greatly helped mankind. It

revolutionize communication system,
increase military capability, foster
industrial growth and development. On

other side, it has certain negative
effects like misinformation and
false news, capacity to lead
military technology towards war,
and increase unemployment rate.

However, its blessing is far
most than its adverse implications

Date: _____

20

Day: _____

It maintain defense of the people to
foster peace and prosperity, increase
industrial production manifold and
facilitate student performance in
education sector. Therefore, the
expansion of information
technology is too more than its
negative effects.