


Essay Comment Sheet

Date :

	Name of Candidate	Asanyak Saikia
	Registration No.	41166
	Test Code	1253

Marks Obtained	Essay 1	Essay 2	Total
	56	59	115

Overall Macro comments / Feedback / Suggestions on Answer Booklet :

Dear Student,

You've shown good understanding of the topic & the associated knowledge-base across both your Essays. You can however, still improve in terms of dimensional-coverage by trying to include as many dimensions as possible, in the Essay. This will ensure a comprehensive addressal of the topic. Your presentation-skills have also been good. Try to complement it with better paragraph-formation.

I've provided you with the Strengths, Shortcomings alongwith the Missed Aspects/Dimensions of both your Essays in the following pages. Try to continue with your Strengths of work upon the shortcomings to improve further in future.

Keep Practicing. All The Best!

All The Best

Essay Comment Sheet

Dear student, Below are the Strengths, Shortcomings along with the Missed Aspects/Dimensions of both the Essays:

Essay 1: "Commitment to ideals, not idols, is the need of the hour"

* Strengths:

- The understanding of the topic is present & the associated knowledge-base is good.
- Your introduction-methodology is good (historical perspective)
- Use of examples like Mahatma Gandhi, Mandela, etc. and quotes of Dalai Lama, Emmanuel Kant etc., was well used.
- You tried to cover the following dimensions:
 - Political (politicians & civil servants idolised by their supporters may be involved in corruption etc.; Example of Hitler);
 - Religion (Religious leaders may preach hatred towards each other, Examples: Osama bin Laden etc.)
 - Social (Gender & caste-based discrimination / justice: works of leaders like Ambedkar, Raja Ram Mohan Roy need to be idealised.)
 - Environment (Example of Greta Thunberg for her fight against Climate change).
- Your presentation in terms of handwriting, language-flow & underlining of keywords, is good.
- Your conclusion was decent & the structuring of the Essay was fine.

Essay Comment Sheet

* Shortcomings :

- The dimensional-coverage could be improved by including some more dimensions like Economic etc, & also improving upon adding other aspects in already addressed dimensions (like Environment). This will ensure a comprehensive addressal of the topic's demand.
- The structuring of the Essay could be fine-tuned as per the above suggestion by adding new sub-heading / paragraph in the Essay.
- The paragraph-formation could improve by trying to form 3-4 paragraphs per page.
- The conclusion could be made more impactful using quotes etc.
Eg: "Fill the brain with high thoughts, highest ideals, place them day & night before you & out of that will come great work."
— Swami Vivekanand

* Missed Aspects/Dimensions:

[Economic]: We tend to see people worshipping Goddess "Lakshmi" in order to pray for the "wealth". Such idols can be seen in shops & other establishments. What people tend to forget is that if they were to achieve what they are praying for, mere idol-worship won't suffice, rather, they should invest in ideals like honesty, hard work, ethical practices etc.

Essay Comment Sheet

[Environment] We, Indians, often revere the nature. Even since ancient times, we have been praying to god of oceans ('Varuna'), god of rain/thunder ('Indra') etc. But we tend to forget the ideals behind the prayers. We must follow the path of conserving/preserving nature in these times of climate change of global warming.

[Sports]: We have seen people of India worshipping Sachin as the 'god of cricket' and many have idolized him as his/her role model. But one must understand the true reason of his success i.e. hard work, professional ethics, sacrifice etc. Only after realizing & following the importance of these ideals can help one to become like him/achieve similar success.

Essay 2: "Data is the oil of the 21st Century: The raw material that modern civilizations are increasingly being built on"

* Strengths:

- The understanding of the topic & the associated knowledge base is good.
- Your introduction was good (examples-based)
- Use of examples like Cambridge Analytica episode, Huawei etc., was good.

• You tried to cover the following dimensions well:

Importance of (Big) Data (Social: Health records, optimisation of travel time etc.; Economic: targeted advertisements; profe-creation;

Essay Comment Sheet

identifying soil quality, land-owners etc.; Governance/Political:
Integrated power distribution networks, financial systems etc.;
Environment (weather forecasting systems etc.); Security (Surveillance;
foil potential terrorist threat etc.)

Challenges (North-South divide; privacy issues; fears of automation etc.)

Way forward (GDPR of EU; Shrikrishna Committee; NITI's
National strategy for AI etc.)

- Your presentation in terms of handwriting, language-flow & underlining of keywords, is good.
- Your structuring of the Essay was fine.

* Shortcomings:

- The dimensional-coverage could improve by including dimensions that compare data of oil in terms of similarities & differences (discussed in next section). This will ensure a comprehensive addressal of the topic's demand.
- The structuring of the Essay could be fine-tuned as per the above suggestions by including necessary sub-headings/paragraphs.
- The paragraph-formation can improve by forming 3-4 paragraphs per page.
- Your conclusion could be more impactful with the help of quotes etc:
"Hiding within these mounds of data is knowledge that could change the life of a patient, or change the world."
— Atul Butte

Essay Comment Sheet

* Missed Aspects / Dimensions:

• [Yes, data is the oil of 21st century / Similarities]:

- Data is an essential resource that powers the information economy in much the same way that oil has fuelled the industrial economy.
- Information can be extracted from data as energy can be extracted from oil.
- Traditional oil powered the transportation etc, in the same way that data as the new oil is also powering the emerging transportation systems like driverless cars & hyperloop, which are based on advanced synthesis of data in the form of algorithms & cognitive knowledge.

• [No, data is not (just) oil / Differences]:

- Traditional oil is finite, data availability seems infinite, as it is multiplying every second.
- If oil is being used, then the same oil cannot be used somewhere else, because it's a rival good. This results in a natural tension, about who controls oil. If data is being used, the same data can be used elsewhere because it's a non-rival good.
- As a tangible product, oil faces high friction, transportation & storage costs. As an intangible product, data has much less such costs.

EVALUATION INDICATORS

1. Contextual Competence
2. Content Competence
3. Language Competence
4. Introduction Competence
5. Structure - Presentation Competence
6. Conclusion Competence

Overall Macro Comments / feedback / suggestions on Answer Booklet:

1.

2.

3.

4.

5.

6.

All the Best

UPSC

COMMITMENT TO IDEALS, NOT IDOLS, IS THE NEED OF THE HOUR

At the midnight of 14-15th August, 1947, two countries were born from the remnants of the British Raj. One of them committed itself to ~~its~~ ^{its} founding founder — Muhammad Ali Jinnah — and charted its journey by treating him as ~~his~~ ^{its} idol. The other, led by the vision of the Mahatma, committed itself to the ideals of liberty, equality and fraternity.

The trajectories traced by the two nations thereafter is all too well-known to be explained here..

Consider another example : This time it is the 2nd World War. On the east coast of the English Channel is Hitter's

Good
introduction
methodology

second

UPSC

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

सिर्फ अंशों में

अन्य
questi-
this space)
कृपया इस स्थान
संख्या के अतिरि
न लिखें।

Nazi Germany. On the West, is Churchill's Britain. Both Churchill and Hitler were great leaders. But while the people of Germany committed themselves to their idol Hitler, the British people gave a much higher significance to the lofty ideals of liberty and equality which had been the bedrock of British democracy over the last 500 years. Again, the trajectories traced by these countries is a matter of history.

→ it started during 1900s.

What the preceding two examples clearly illustrate is that those nations that have committed themselves to the ideals than to their idols have stood the test of time.

UPSC

For practice use only
मिर्फ अभ्यास के लिए

nly

What are these ideals? Who are the idols? Can't idols have ideals? These are some questions we try to answer here. Ideals are essentially some moral principles that a society values and which guide people's actions and choices. Thus, these ideals at the national level might include the principles of liberty, equality and fraternity, while at ~~the~~ a more personal level, it can include values of love, tolerance, integrity and dedication.

Idols are usually leaders whom people respect and venerate. They are people whom others want to emulate. Idols usually work for the best advancement of the ideals mentioned above. They are willing to make sacrifices

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use
सिर्फ अभ्यास के लिए

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

to achieve them. In their efforts to do so, they inspire a generation of followers. ~~However~~ The likes of Mahatma Gandhi, Martin Luther King, Nelson Mandela come to mind.

However, not all idols are worth emulating. One of those mentioned already is Adolf Hitler. As we progress in the essay, we will come across many such leaders or idols whose committed followers have done much harm to the society and the world.

While we began with the example of nations, however, commitment to ideals is important in all spheres of life.

UPSC

(Please do not write anything except the question number in this space) here
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

For practice use only
सिर्फ अभ्यास के लिए

Consider the case of civil servants in India. In many parts of the country, they are treated as idols — people have tremendous respect for them, they are ~~be~~ invited as chief guests to schools, etc. However, in many cases, civil servants are seen to indulge in corruption. People who witness this refuse to point this out for they treat these officials as idols. Many subordinates, and younger generations, begin to emulate them and indulge in unethical practices. Thus, people shed their commitment to the ideals of integrity and dedication to public service.

Good

A similar situation can be witnessed in case of politicians and ministers. They have a dedicated set of supporters who idolize them.

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice only
सिर्फ अभ्यास के लिए

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

and are willing to condone their unethical conduct. This leads to a gradual erosion of the moral fibre in society, perpetuates corruption and increases the role of money and muscle power in governance, to the detriment of the welfare of the general public.

Religion is another area.

In fact, seeing the gradual erosion of ideals in society, Gandhiji once lamented, "Corruption and hypocrisy are ought not to be the products of democracy, as they are inevitably today."

Religion is another area where idolization of leaders at the expense of principles has had disastrous consequences.

UPSC

For practice use only
सिर्फ अभ्यास के लिए

All religions preach love and brotherhood. No religion preaches violence. Yet in almost ^{all} religions, we are seeing ~~the~~ rise of leaders who purport to safeguard and uphold the values of their religion, while deriding the teachings of other religions.

In the process, they preach hatred towards others that inevitably ends in violence.

The followers are more willing to follow the dictats of their leaders, disregarding the cherished values of love and tolerance that the religion actually preaches.

The likes of leaders like Osama bin Laden or Quarmet

Try to form smaller paragraphs

UPSC

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

For practice
सिर्फ अभ्यास के

any question in this space)
कृपया इस स्थान में संख्या के अतिरिक्त कुछ न लिखें।

Ram Rahim Singh who has been ~~accused~~ convicted of rape point to this ~~problem~~.

Thus, the Dalai Lama has rightly pointed that "love and compassion are not luxuries today. They are necessities." The idea is to live by the principles of these religions, not to follow leaders blindly.

Closer home, our families and schools are the starting points in our development of ideals and idols. ~~Over~~ Right from our childhood, three of our biggest idols have been our father, mother and teacher. They teach us, they

UPSC

For practice use only
सिर्फ अभ्यास के लिए

take care of us and lead by example. Yet as we grow up, as our conscience develops, we do not blindly follow them. We take their teachings with us. We commit ourselves to those teachings, those principles, apply our conscience and finally make decisions.

It is this stage of moral development that Lawrence Kohlberg stresses on. We learn to commit ourselves to the ideals propounded by our idols, not the idols themselves.

This does not mean that we should not have idols. To the contrary, we should have many more idols! Idols are our leaders. They give us guidance, they give us

Good.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

(Please do not write anything except the question number in this space)
कृपया इस संख्या के अतिरिक्त कुछ न लिखें।

vision, and more importantly, they give us hope. India would have remained in the clutches of the British Empire had it not been for the Barrister from South Africa who gave hope to the masses through his ideals of truth and non-violence. The same would have been true for the Blacks of South Africa had it not been for Nelson Mandela.

However, we as a nation, and the South Africans too, took inspiration from Gandhi or Mandela. We committed ourselves to the ideals of Satyagraha, so that when these leaders departed, the ideals

moved on and remained deeply entrenched in society.

In today's emerging and continuing challenges of climate change, gender inequality and caste-based discrimination, there is an ever greater need to the commitment of principles, rather than idolization of leaders.

In the area of climate change, new-age ~~to~~ activists like Greta Thunberg of Sweden have led students' movements demanding climate action across countries. However, it is not Greta that we should be committed but to her fight for climate action.

In issues of gender and caste-based justice, the works of leaders like Raja Rammohan Roy and B.R. Ambedkar need

You can add another perspective in the Environment dimension (Refer comment sheet)

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use
part 2000 &

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

to be the guiding light. Their commitment to the principles of justice and humanism must be continued by all of us.

~~In~~
Across the world, we are seeing the emergence of strong leaders who are seen to dismantle democratic institutions. We, as people of the world, must always stay committed to the principles of democracy and rights of man. Our forefathers gave their blood, sweat and tears to achieve them. We cannot let them fetter away by committing ourselves to idols who despise these very ideals.

UPSC

For practice use only

सिर्फ अभ्यास के लिए

ily

So, how do and where do we begin? How do we make sure that we stay committed to ideals? The first and foremost step is to impart ethical teaching in schools. Children have

impressionable minds. They tend

to By imparting ethics at a young age, we create a generation

that is committed to ethical ideals. Further, ethics is not just being lawful. It is about adhering to the highest good — to be pure at heart and to work for goodness of mankind.

Emmanuel Kant, has, thus, rightly said, "In law, a person is guilty when he violates the rights of others. In ethics, he is guilty even if he thinks of

Try to form smaller paragraphs

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use
मिर्फ अभ्यास के लिए

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

doing so."

The second step is to lead by example. We ourselves need to stay committed to principles and not defy leaders. As Gandhiji has said, "Be the change you wish to see in others."

The third thing is to build leadership, and a set of leaders who, in APJ Abdul Kalam's words, have vision, courage and integrity. This set of leaders will have the vision to inspire and lead others, the courage to face adversity and integrity to stay committed to principles.

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
बिना प्रश्नाय के लिए

In this way, they will inspire a new generation of people to commit to the principles of morality and ethics.

To conclude, the world is facing a multitude of challenges and a steady erosion of values. The way forward is for people to cherish, uphold and commit themselves to the various moral, ethical and democratic principles to face these challenges. The leaders that emerge need to give a vision to the masses rather than being idolized.

~~for them~~

Decent
Conclusion
(but could be made more impact using quotes etc.)

Decent attempt!

56

Please Refer Comment Sheet!

DATA IS THE OIL OF THE 21st CENTURY: THE RAW MATERIAL THAT MODERN CIVILIZATIONS ARE INCREASINGLY BEING BUILT ON

Take a look at these simple examples: The largest transport company in the world Uber owns no vehicle, the largest content sharing platform Facebook produces no content by itself, and the largest retail platform Amazon hardly produces anything. Amazon, in fact, is the most valuable company in the world, and its founder Jeff Bezos is the richest person.

So, how do these companies manage to be successful when they do not create anything tangible?

Good
Introducti

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

The answer : data. These companies are able to process the data generated by its users and consumers using techniques collectively called Artificial Intelligence (AI) and Machine Learning to customize the experience ^(ML) of the users, create targeted advertisements and make them glued to their platforms.

The data generated by users could be in the form of the type of videos they watch, the products they buy or the comments they make. All these are used by AI and ML platforms to create a profile of the user and provide the optimum product to him/her.

UPSC

For practice use only
लिखें: अभ्यास के लिए

Thus, it is this data that these firms own which enable them achieve market dominance and concentrate economic power. Associated with this data are the tools AI and ML that process the massive bits of data (and have, appropriately called Big Data), identify patterns and solutions, and also correct themselves if mistakes emerge. Thus, ~~it~~ the data becomes useful only when it is processed by AI and ML.

The successful technology giants like Google, Facebook, Apple, Amazon and others invest heavily on Research and Development (R&D) to produce the optimum AI and ML systems that can make effective use of this data.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

(Please do not write anything except the question number in this space)
कृपया इस संख्या के अतिरिक्त कुछ न लिखें।

However, ^{Big} data ~~is also~~ and AI are clearly not restricted to the technology sector. Countries are beginning to see the importance of data and its applications in various fields.

One such area is in the blockchain technology. This technology provides a ledger on which all previous transactions can be recorded. Thus, governments are using blockchain to update land records, health records and even soil quality. These are areas where large amount of data are generated. Blockchain provides a way to efficiently store them. These can be used to identify land owners, provide customized health care to patients and provide

Try to not write beyond margins

UPSC

For practice use only
मिर्फ अभ्यास के लिए

optimum fertilizers to the soil to
achieve maximum yields.

finds Internet of Things (IoT) refers to an interconnected set of devices where data generated is seamlessly passed on and analyzed to optimize device performance. Thus, IoT provides potential uses in having energy-efficient housing, financial systems and integrated power distribution networks where transmission, distribution losses can be minimized.

As the world braces for climate-change induced frequent extreme weather events, accurate weather forecasting will hinge on access to reliable Big Data on weather-related information which can be processed by super-computers.

UPSC

For practice use only
सिर्फ अभ्यास के लिए

(Please
do not write
anything
except the
question
number in
this space)
कृपया इस
स्थान में
प्रश्न
संख्या
न लिखें

Similarly, as we become more mobile, GPS data will enable us to optimize our travel time and save on fuel costs. In areas like public health, data generated from surveillance can be used to forecast epidemics and prevent anti-microbial resistance.

On the national security front, real-time surveillance and active cyber-tracking can prevent and foil potential terrorist attacks. Nations can even use the data acquired from a hostile neighbour to effectively target its defence and cyber systems.

Thus, modern economies are increasingly being run on

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
मिर्फ अभ्यास के लिए

There are many other uses where data is finding increasing applicability, ranging from autonomous cars to warfare. The list is ever expanding, and cannot be included here for want of space.

Thus, modern economies are increasingly being run on Big Data and its applications like AI.

Data is to the 21st century what oil was to the 20th. Whoever controls and owns data, owns economic and military might.

The developed countries, seeing the vast potential of data, have taken the lead in developing systems like AI that can optimally process this huge load of data. The US is currently at the frontier when it comes to R&D on AI.

You can elaborate a bit more on these lines (Refer Comment Sheet)

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

ML and IoT. No wonder that the firms mentioned in the beginning are all American companies. By taking a lead in Big Data control over Big Data and developing AI systems, US plans to continue its economic and military hegemony over the world -

However, China is fast catching up by investing heavily in AI and Big Data. This has raised concerns in the US, and according to commentators, has prompted the US to impose sanctions on Huawei ~~to~~ Chinese tech giant Huawei which is at the forefront of this technology revolution.

Good example

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
मिर्फ अभ्यास के लिए

Close home, in India, the government has slowly but surely begun to realize the importance of data and its control over it — data sovereignty. The Reserve Bank of India (RBI) recently recommended data localization for ~~pos~~ payment service providers in India. Data localization refers to the process of storing the data in the country it is generated.

India has rightfully realized that all the data generated from Indian users by the tech firms are stored in the US. This helps these firms to establish its market dominance in India. It also erodes India's sovereignty over its own data — some of

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

which can undermine its economic and national security.

The NITI Aayog has also initiated a 'National Strategy for AI' to make India the AI garage of the world. It is based on the premise that Indian users generate a high volume of data that can be tapped using instruments like AADHAAR, that India has the skilled manpower ~~and~~ and capital investment to produce frontier AI technology and that Big Data and AI can be used in critical developmental areas like health, education, water scarcity and agriculture.

Try to form smaller paragraphs

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

Thus, while it is now clear that whoever owns and control data is on its way to economic might, the question that repeatedly emerges ~~is~~: Is data all good? Should we be worried by who owns it?

Tom Friedman had argued that the 'world is flat.' By this, he meant that globalization has enabled the poorest countries to benefit from ~~the~~ free movement of labour, goods and capital. However, with data being the ~~the~~ oil of the 21st century, it appears that the North-South Divide will grow sharper.

Countries that are able to control the data and optimally

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
मिर्फ अभ्यास के लिए

(Please
anythi
questi
this st
कृपया
संख्या
न लिखें)

use it will be able to propel themselves on a high growth path, leaving the rest behind. This is already being seen in the rising economic dominance of US and China, and their firms in particular.

Many countries, therefore, advocate data localization to protect data sovereignty. However, the developed countries have opposed this, the most notable being the e-Commerce negotiations that have started at the WTO. The developed countries want free movement of e-commerce, and their associated data.

The second most important issue is that of privacy. The data collected from users erodes

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

their privacy. Today, Google knows where we are, Alexa knows what we talk and Facebook knows what we read. Thus, these firms are able to make a very accurate profile of us.

The important thing to understand here is that ~~to~~ this data actually belongs to us - citizens. We are giving this data out for free to these firms. In some cases, it has had undesirable consequences such as the Cambridge Analytica episode in Facebook.

Good example

In response to these issues, the European Union has brought out the General Data Protection Rules (GDPR) which have stringent privacy safeguards, with penalties for violating firms.

UPSC

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

सिर्फ अध्यापक के लिए

In India, ~~it is~~ the Justice Sri Krishna Committee has drafted a Data Protection Law with the basic premise that the citizens own the data; the firms simply store them.

Another radical proposal suggested is that firms should pay citizens or users for their data they use. However, given the complex nature of data, it is unlikely that this will be feasible in the near future.

The third issue stems from the fears of automation.

Autonomous systems rely on huge chunks of data to optimize performance. The immediate

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
सिर्फ अभ्यास के लिए

Good use of facts

threat ~~is~~ from automation is the loss of jobs. As a World Bank Report recently noted, nearly 69% of Indian jobs are threatened by automation. This can have severe repercussions on our demographic dividend.

In the long run, as systems become autonomous, there is always the fear that these may overpower humans.

To conclude, the growth of Big Data and its processing through Artificial Intelligence has ushered in, Klaus Schwab's words, 'the 4th Industrial Revolution'. As countries scramble to get hold of their data and propel their economies, India

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

For practice use only
प्रति अभ्यास के लिए

(Please do not write anything except the question number in this space)

needs to ~~not~~ invest heavily in building the manpower, the business ecosystem and research environment that can drive India's of the nation's frontier technologies in AI and Big Data. It needs to innovate, spur start-ups and use the massive data set of a billion-plus citizens to ~~obtain~~ ^{continually use its} ~~get hold of~~ the data. Data localization, through legislation, must be continuously explored.

How India manages its data will be crucial in ~~it~~ transforming itself into a knowledge economy.

You can make your conclusion more impactful using quotes etc

Good attempt!

59

Please Refer Comment Sheet!

