

खण्ड-A / Section-A

उम्मीदवारों को
इस भाग में
लिखना नहीं है।
Candidates
must not
write on
this margin

- Q.1 You can't serve data on a hungry man's plate.
आप किसी भूखे आदमी की थाली में डेटा नहीं परोस सकते।
- Q.2 AI is overcoming our mental limitation but not expanding our mental horizon.
ए.आई. मनुष्य की मानसिक सीमाओं को नियंत्रित रहा है, किंतु मानसिक क्षितिज का विस्तार नहीं कर रहा है।
- Q.3 We are using environment for politics, not politics for environment.
हम पर्यावरण का उपयोग राजनीति के लिए कर रहे हैं, न कि राजनीति का उपयोग पर्यावरण के लिए।
- Q.4 The worst form of inequality is to try to make unequal things equal.
असमानता का सबसे बुरा रूप है असमान को समान बनाने का प्रयास।

AI is overcoming our mental limitations but not expanding our mental horizon

The alarm was ringing and Rahul woke up. The smart watch on his hand started speaking in a beautiful voice, "Today's weather will be sunny, & average temperature will be 34°C and there will be little bit of traffic on the road by 9:15 AM, so start your journey by 8:45 AM and you will reach office on time. There are several incomplete reports to be completed....."

and it went on. Rahul planned as per the instructions given by AI backed smart watch. But he ignored ~~the~~ his ill mother who was sitting on the ~~the~~ balcony waiting to be taken to doctor and needing some time with his son.

This is the story of Rahul who lives in the AI backed world and follows them. In this story we can see how the smartwatch gave every details and instructions needed for Rahul but it could not sense the need for his mother's treatment and spending some time with her. This shows the reality of AI overcoming our mental limitation but not expanding our horizon.

In this essay we will look into how AI ~~over~~ is overcoming our mental ^{limitations} ~~horizon~~ but not expanding our mental horizon, how AI is also

expanding our mental horizon, how we can balance between expanding mental limitations and mental horizon using AI and associated challenges with it.

उम्मीदवारों को
इस भाग में
लिखना नहीं है।
Candidates
must not
write on
this margin

Artificial Intelligence is a modern day advanced technology which uses various algorithms and apply the data generated from different sources and provides a predictive outcome. It has given impetus to the digital world and made everyday life easy for the people by integrating it in different sectors.

AI overcoming mental limitations but not ~~overcoming~~ expanding our mental horizon

when we talk about mental limitations, it can be interpreted in different dimensions ~~at~~ in which AI solves the challenges by taking some commands but when we talk about mental horizon, it should be interpreted in bigger connotations

where AI is not able to delve into.

Different election consultation groups uses different AI models to interpret the viability of their candidates. They gives the data and strategy to be taken in order to attract maximum votes. In political life, AI is being used for such election campaign, analysing voter behavior etc. which was earlier lacking but AI made it easy.

But, despite various policies being formulated we can see prevalence of poverty, malnutrition, low literacy, inequality and many other issues. AI doesnot look into the problems as AI can only work on the input given in the form of data but cannot provide the priorities to be set by government to solve such problems.

There has been data driven outcomes to calculate various indices such as malnutrition, stunting rate etc. AI provides

उम्मीदवारों को
इस मार्ग में
लिखना नहीं है।
Candidates
must not
write on
this margin

data and analyses them. This helps the government to formulate social security schemes for the needy people. AI also tracks various social outcomes and continuously monitor them and predict future outcomes.

However, AI cannot work on to eradicate patriarchal norms in the society. There has been rising prejudices against women especially during Covid 19 when activities such as Boys locker room where women were being auctioned online and their morphed pictures were circulated.

Moreover, in economic sphere, AI can generate marvellous results. It is being used stock market to predict whether value of share will go up or down through algorithmic models. It ~~to~~ out-comes the hurdles of data visualisation and ~~a~~ give predictive models which were lacking earlier.

^{grapple}
~~Instead~~ of using such inputs and predict these outcomes, AI cannot figure out the need of social security schemes. It cannot ~~It~~ lacks human approach to think and implement ethical ways to handle human resources in the economy.

In terms of Technology, AI is using various tools and models to bring out more advancement e.g. it is being used in robotics, machine learning, IoTs etc which give us ~~to~~ scope to solve complex problems.

But ~~a~~ these technologies are being used for technological haves. It doesn't cater into the need of affordable solutions for the technological have-nots. e.g. Despite ~~being~~ advancement of robotics there is prevalence of ~~a~~ manual scavenging where people use their hand and primitive tools to clean up the sewer and lot of accidents are being reported.

In environmental sector, AI is helping in generating various data e.g. carbon emission data, outputs of disposables from the industries etc. These data can be utilized in the EIA which can be effective to assess environmental pollutions.

But AI doesnot suggest the need for rehabilitation of tribals, displaced, the need for respecting the customary and religious values of them etc. Thus, AI has several limitations despite helping in solving certain limitations.

AI also expanding mental horizon

Despite several limitations, AI is able bring new insights into different sectors through its various outputs and algorithms.

In education sector, AI is able to bring in models of handwriting recognition,

audio-visual techniques are being devised using AI. These technologies are able to bring in inclusivity in education sector. e.g. Google bot is being used for audio instructions. ~~etc~~

Moreover, ~~the~~ AI is not only being used for analysing geographical data, they are also being used to predict disaster and helps the authorities to take precautionary measures e.g flood warning, Tsunami warnings are being sent to smartphones of those nearby areas.

Social media is being harnessed by certain groups to spread propaganda and bring instability in the society.

AI is able to recognise those propagandizing texts and label them. AI is also being used for fact checking different posts of personalities.

After analysing the ~~weather~~ health data, AI is able to give comprehensive reports and they are being used by professionals for effective treatment. e.g. spread of tumours are being ~~det~~ detected and AI is able to determine whether it is malignant or benign tumour.

or in managing internal security, AI is able to draw pattern of movement of suspected people and is able to give intel report beforehand. The police can take actions beforehand to save the country from ~~at~~ security threats.

However, in technological space sector, AI is able to predict the trajectory of rockets help in success of their launch. e.g. AI data could help in successful landing of Chandrayan 3

on the southern part of the moon. It will help in research activities and future explorations to which prime minister said "Chandamama door nahi hua hai" meaning moon is not far, we are able to touch the moon.

Balance between overcoming mental limitations and expanding mental horizon

AI is such technology, if used in integrated judicious manner, it can bring us beautiful results. But there is equal need of balancing between data driven ~~out~~ inputs and utilise them to solve the challenges of modern days.

Firstly, in individual level, The outcomes of AI data should be used but also we should not forget that we are human being, we have our emotional

needs. otherwise, if we work as per AI it will make us robots.

So, AI output to be used along with emotions e.g. utilize AI health data of elderly and treat them along with giving them mental support.

Secondly, in Family level, AI can bring in happiness and prosperity if we maintain balance between work and family life. AI can keep in judicious utilisation of time in office which will allow more time with family.

Thirdly, in Country level, AI data can be utilized to bring in sector specific planning and raise GDP level. At the same time there is a need to emphasise in green GDP.

Lastly, in international level, there is a need to balance between promoting global GDP and also emphasising on human rights violation.

Despite challenges such as adoption, research, fund etc. there is a need of talking about AI ethics to bring about maximum goodness for maximum number of people by utilising AI in ~~micro~~ sectors and bringing in inclusivity. Then only person like Rahul can save some office time to take care of his mother.

खण्ड-B / Section-B

उम्मीदवारों को
इस भाग में
लिखना नहीं है।
Candidates
must not
write on
this margin

- Q.5 Existence is a science, living is an art.
अस्तित्व एक विज्ञान है, जीना एक कला है।
- Q.6 If the truth shall kill them, let them die.
यदि सत्य से किसी की मृत्यु होती है, तो उन्हें मरने दो।
- Q.7 The only way to go beyond things, is to go through them.
हालातों से परे जाने का एकमात्र तरीका उनसे होकर गुजरना है।
- Q.8 Dream for the best. Be prepared for the worst. Enjoy life in between.
सर्वश्रेष्ठ के लिए सपना देखें। सबसे बुरे के लिए तैयार रहें। इसके बीच के जीवन का आनंद लें।

The only way to go beyond things, is to go through them

"Sir! I have ticket for first class and I bought it through my hard earned money. Let me travel through it," said Gandhiji to the railway conductor and the railway conductor replied that only white Britishers can travel through the first class railway and Gandhiji was thrown out of the first class coach of railway at St. Petersburg railway station in Africa.

This was the moment when Gandhiji realised the discrimination and promised himself to gain independence from the British by throwing them out of India. Thus, Gandhiji started the movement against British and India gained independence on 15th Aug, 1947.

Through this incidence we can see how Gandhiji went through discrimination and understood the very nature of it. In the end he was able to throw the British out of India to make India beyond the perils of discrimination.

In this essay we will look into how going through things is the only way to go beyond things, what if we

do not go through them, how to go through them and go beyond and ~~other~~ explore other ways to go beyond things.

The practice of going through things in order to go beyond them has been prevalent from ancient times. The example can be sought from the great king Ashoka who propounded Shama-
ghosha by shifting from veerighosha.
After^{9th} the war of Kalinga, Ashoka witnessed the violence and bloodshed. From there only he promised himself not to indulge in such kind of violence again and he brought in the norm of peace and harmony. That is why he came a successful administrator and the greatest king of

all times.

In the medieval time, the Mughal ruler Akbar wanted to bring in confluence of different religions. For that he went through different religions practices and books and at last ~~made~~ established his new religion din-e-ilahi which was a confluence of all. Through such practices he could focus his energy in proper administration which brought prosperity in his reign.

In modern time, Dr. B. R. Ambedkar was from Mahar Community who were untouchables. By seeing the discriminations and experiencing them, he motivated himself to work against caste system. This idea is reflected in the Indian constitution in the form of

उम्मीदवारों को
इस भाग में
लिखना नहीं है।
Candidates
must not
write on
this margin

Safeguards as in fundamental rights
e.g. article 13 prohibiting discrimination,
article 17 prohibiting untouchability etc.
~~Ambedkar~~ Ambedkar ~~was~~ himself ~~to~~ drafted
the constitution.

Nepolean Bonaparte was a child of revolution
who brought a revolution in
administration. He himself was a soldier
and experienced the hardships of soldiers
and when he became king, he milita-
rily strengthened his kingdom.

The purushantha school of thought
talks about learning by doing activities
in life. e.g. in the Brahmacharya phase,
a student goes through difficult practi-
ces such as withstanding cold using
single cloth. This makes him ready
for conquering the upcoming challenges
of life. e.g. Arjuna was a great ~~disciple~~
pupil.

Advantages of going through things in order to go beyond things

उम्मीदवारों को इस भाग में लिखना नहीं है।
Candidates must not write on this margin

If we go through things, we internalise them and are able to come up with better and efficient strategy to go beyond them. e.g. Resource crunch pushes us to utilise them judiciously.

Whenever we go through problems, we tend to look into various dimensions of it and the strategy to go beyond them will be more inclusive. as to e.g. By practicing self-indulgence we tend to think about others in the surrounding.

Whenever we go through things, we not only go through them but also go through various challenges and limitations. This compels us to

inculcate sustainable strategy.
e.g. ~~that~~ By going through global warming, sustainable development goals were incorporated.

What happens if we do not go through them?

If we do not go through them, it gives us superficial understanding of the ~~for~~ things this renders ineffectiveness in every sectors.

In political sector, ^{parliament} ~~we~~ have not passed the women reservation bill till now.

This is because the ~~law~~ people making the ~~too~~ laws are men who cannot understand the need of women

parliamentarians. Despite various research about advantages of women MP and 50% women in the country there is mere 13% MPs in parliament. ²⁵

Legislations are made by cis gender people for LGBTQ+ communities. They are not effective as they don't hit the core issues of the LGBTQ+ community. Only LGBTQ+ people can understand their own issues and ~~not~~ help in proper implementation of the regulations.

In Economic sense, if we don't explore the other opportunities and explore only one field it may lead to disaster. e.g. Venezuela did not thought of other alternatives than crude oil as they did not go through other activities. This resulted into their economic crash leading to 400% inflation. It reflects the need of exploring multiple fields and sectors.

on technological fronts if different possibilities are not explored, it may lead to disasters. example can be taken into the nuclear bombing on Hiroshima and Nagasaki during world war II. on addition to deterring from the war, it led to loss of ~~thousands~~ millions of lives of innocent people who continue to suffer in the present day.

US did not think about this dimension as they did not go through them.

on legal frameworks also, ~~but~~ if ~~the~~ the lawmakers make laws without considering the impacts on different sections of the people, there

may be severe consequences. e.g. The three farm laws were repealed after the farmers' strike. The government made these laws without much consultation which forced them to repeal.

How to go through them and go beyond?

In order to make effective policies and bring in effectiveness in every sectors of life, there is a need of going through practical situations and learn various dimensions.

For bureaucrats, there is more need of fieldwork based methodology. There is a need of on ground

dreaming, then only they will be able to realise real hurdle ~~and~~ in implementation of the policies.

For the politicians, there is a need to connect more with real masses. e.g. Assam government brought the concept of guardian ministers where ministers are given responsibilities of different Zones and they spend time there. The Zones are changed in circular manner. It will make them more responsive to the people's need.

Scientists should be given opportunity to interact with disadvantaged sections and students should be given fieldwork based projects. It will enable them to cater to their problems.

उम्मीदवारों को
इस भाग में
लिखना नहीं है।
Candidates
must not
write on
this margin

other ways to go beyond

• In the light of scarcity of time and resources, there can be other methodologies to go beyond.

There ~~can~~ should be proper framing to inculcate empathy, compassion etc. in people's life. Through education of others' cultures, also, we can go beyond things without going through them.

There should be semi experimental methods where there is both exposure to real conditions and ~~an~~ educating them through ~~divers~~ our principles as Gandhiji was inspired from the book unto the last and devised methodology of non-violence.

(mental
limitation)

(mental
horizon)

Space for Rough Work

utilization?

Individual → weather

family
equity family budget

country

GDP
growth?

AI overcoming mental limitation

pot → data vol → not policy
social → problems → not empowerment

Econ → Data driven → Social security

Tech → Emerging tech → not future.

Env →
legal.

AI also expanding mental horizon.

→ Educatⁿ →

→ Geographical → disaster

→ ~~Historical~~ Society

→ IR → virtual → Research

→ Science & Tech

→ Econ. →

→ Internal security → IT GOVT.

→ Health.

Scarcity of the
resources.

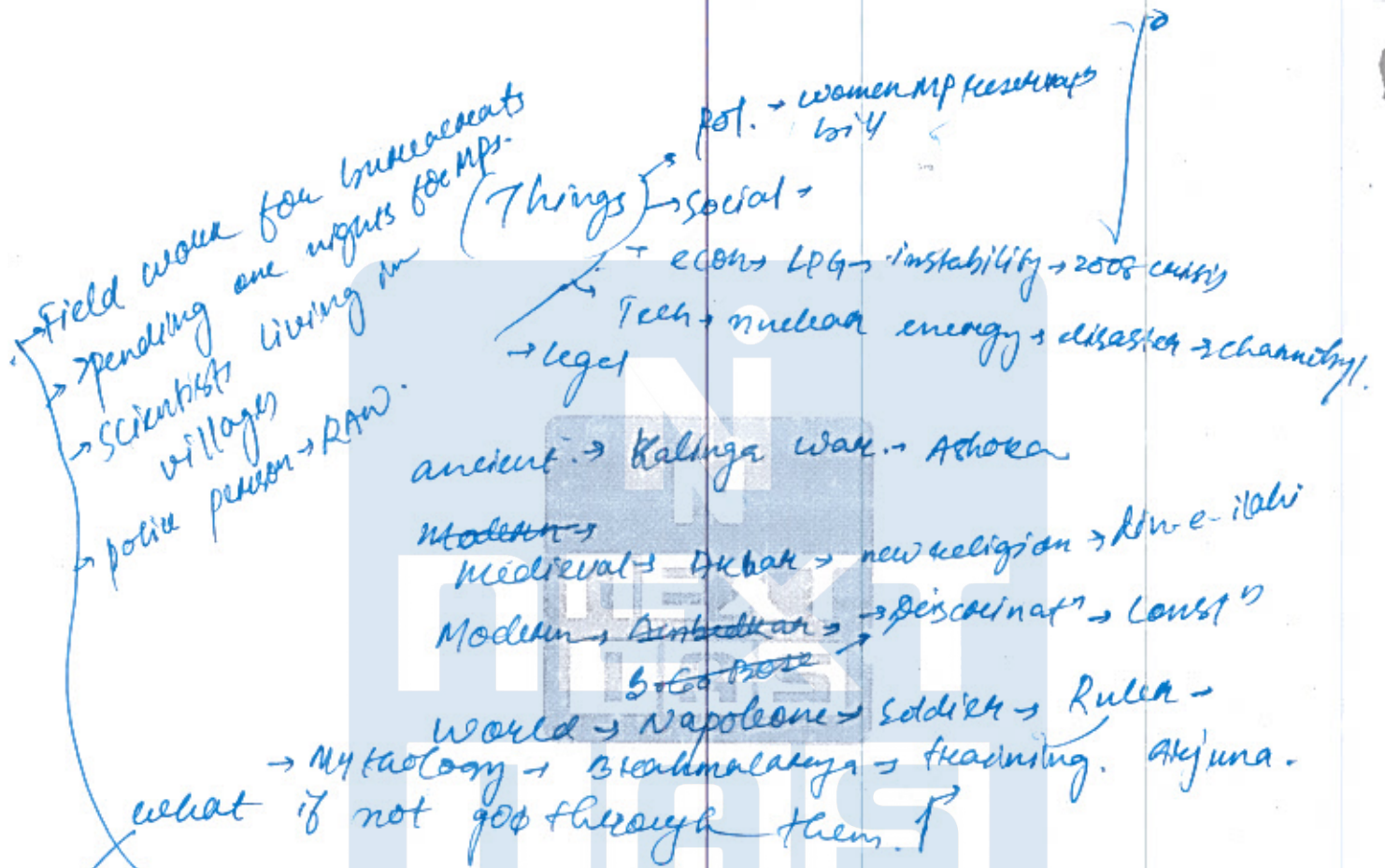
From
work up → weather,
traffic, fuel,
calendar
But not all matters
write and need
time
can't decide.

Balance

6

Space for Rough Work

The only way to go beyond things is to go through them.



How to go through them and go beyond.

- pol → women mp reservation → law by men.
- social → LGBT by cis
- Econ → Venezuela → 400% inflatⁿ,
- Technology → Hiroshima, Nagasaki.
- legal → Farm laws. → repeat.

Other ways to go beyond → threatening
→ Education.