

TEST CODE : 5 1 5 3 2

FIAS | MGP 2022 (C-10) | Essay Test #2

ForumIAS

ESSAY

Name Of Candidate

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Roll No.

1910001948

Date:

21/08/22

Time Allowed: Three Hours

Maximum Marks: 250

INDEX TABLE			INSTRUCTION	
Q. No.	Max. Marks	Marks Obtained	1. Please do furnish Name, Email, Roll No and Mobile in the answer sheet.	
Q.1			2. There are TWO Sections. Each Section has MULTIPLE topics printed in English & Hindi. You have to write on 1 topic from Each part	
Q.2			3. One question in each part is compulsory.	
Total:	250		4. The number of marks carried by a question/part is indicated against it.	
Evaluator's Discretion:			5. Answers must be written in the medium authorized in the admission Certificate, which must be stated clearly on the cover of this Question-Cum-Answer (QCA) Booklet in the space provided.	
			6. Word limit in questions, if specified, should be adhered to.	
Total Marks:			7. Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.	
			<p><i>Any specific messages for ForumIAS Mentors/Evaluators with respect to your copy? Write it here.</i></p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>	
Total Marks:			For Student Only	
			Start Time 6:00 pm	End Time 9:00 pm
Evaluator's Discretion: This is the marks awarded at the discretion of the evaluator based on your overall impression, on the basis of (but not limited to) your handwriting, presentation, use of diagrams, flowcharts, facts and figures or absolutely anything that he/she liked in your copy.			Mode Of Examination: Online <input checked="" type="checkbox"/> Offline <input type="checkbox"/>	
			For Office Use Only	
Evaluator's Discretion: This is the marks awarded at the discretion of the evaluator based on your overall impression, on the basis of (but not limited to) your handwriting, presentation, use of diagrams, flowcharts, facts and figures or absolutely anything that he/she liked in your copy.			ECN CODE:	Evaluation Date:
			EG:	

MARKING SCHEME

<i>Parameter/Criteria</i>	<i>Aspects Considered</i>	<i>Total Marks</i>	<i>Essay 1</i>	<i>Essay 2</i>
<i>Basic Format</i>	Introduction + Conclusion	10		
	Body	15		
<i>Content</i>	Data/Facts/Interpretation/ Analysis	25		
<i>Organisation</i>	Flow of ideas/ Absence of Deviation from the topic	25		
<i>Language Skills</i>	Punctuation/Grammar/ Sentence Formation/Spellings	25		
<i>Examiner's Discretion</i>	Perception/ Innovation/ Engaging	25		

<i>Parameters</i>	<i>Very Good</i>	<i>Good</i>	<i>Average</i>	<i>Poor</i>
<i>Coherence</i>				
<i>Language</i>				
<i>Handwriting</i>				
<i>Pre-writing</i>				

<i>Very Good</i>	<i>Good</i>	<i>Average</i>
120 and above	100-120	Below 100

SECTION - A

1. Our moral, religious, and political traditions are united in their respect for the dignity of human life.

हमारी नैतिक, धार्मिक और राजनीतिक परंपराएं मानव जीवन की गरिमा के सम्मान में एकजुट हैं।

2. Neither a life of self-indulgence nor one of self-mortification can bring happiness.

न तो आत्म-भोग का जीवन और न ही आत्म-यातना का जीवन प्रसन्नता ला सकता है।

3. Reality is ultimately a selective act of perception and interpretation.

वास्तविकता अंततः धारणा और व्याख्या का एक चयनात्मक कार्य है।

4. Conversation enriches the understanding but solitude is the school of genius.

संवाद समझ को विकसित करती है लेकिन एकांत प्रतिभावान की पाठशाला है।

Conversation enriches the understanding but
solitude is the school of genius

It was the period of 19th - 20th century. The whole was divided into 2 groupings - 'The Ruler' & 'The Ruled'. India came into the 2nd half of the spectrum. The 'Ruled' suffered massively at the hands of oppressive 'Rulers'. To alleviate this suffering, there came the likes of Dadabhai Naoroji, RC Dutt, collectively referred to as the Moderates. They did

play their part to minimise the atrocities committed by the Britishers. However their politics of 'Petitions & Propagandas' definitely had some flaws.

On the contrary, In a distant corner lay a man lovingly called as the 'Father of the Nation'. Perplexed at the plight of Indians, he first decided to tour the whole country for 2 whole years & spend time in solitude & introspection. Only after this he gave his novel ideas of Satya & Ahimsa and indulged with the masses. The aftermath & efficacy of these methods was as clear as daylight. India got rid of the ^{clutches} ~~clutches~~ of the oppressive rule of Britishers. This whole incident only proves the saying that solitude is a ^{school} ~~game~~ of genius & Conversation only adds upto the understanding gained by Solitude.

Now what is Solitude? How does one develop it? How does it help in understanding a particular issue? Is it the only thing to build a holistic understanding or there lies something even beyond that? Is solitude always good? How does Conversation help facilitate a holistic understanding of any subject?

Solitude refers off to the practice of spending time with oneself, indulging in self introspection, and digging deeper into one's mind & intellect to understand the nitty gritty of various things. On the other hand conversation happens when one engages actively with other people.

Both form an essential component to build holistic understanding of a subject. While solitude leads to

generation of ideas, Conversation leads to transmission of those Ideas and sometimes even their refinement.

Let's take the case of Lord Buddha's life. He left the world at the age of 29 yrs and put himself under strict solitude for 6 years. By the age of 35 yrs, he wasn't a normal human being anymore, rather an enlightened one. He gave to the world '4 Noble Truths' which told about the root cause of desire & the '8 fold' noble path to attain Nirvana. But instead of confining these ideas to himself, he organised Sanghas to indulge in debate & conversations with other intellectuals. Hence the intellectual morphosis of Buddha which happened during solitude got further refined during his sermons.

Similarly take the case of Elon Musk. The time he spent with himself in learning about the nitty gritty's of rocket science helped him come up with Reusable Rockets - the concept hitherto unexplored by human ingenuity. Hence solitude helps in generation of creative ideas & innovative ways to deal with problems. ~~✶~~

However all this being said, one must wonder - "Has solitude always led to wonders?" Or there have been fallouts too? The likes of Saddam Hussein, Osama Bin Laden prove antithetical to 'Solitude is genius' concept. Their solitude led them to generation of ideas, the aftermaths of which still send shivers down the spine. 26/11 & 9/11 were outcomes of such solitude only.

Similarly India, right after independence chose to remain isolated & followed a closed economy model. It resulted into severe food crisis, the Balance of Payment crisis of 1991. It forced India to shed its economic sovereignty & take a bailout of International Monetary Fund (IMF).

This careful observation leads one to conclude that solitude is definitely a means but not an end to get hold of the things.

Now, what can be a better way to facilitate achievement of this end? The answer lies in the simplest of art of 'Conversation'. Art of conversation is as old as the human civilization itself

This conversation can be in the form of words (vocal), pictures (pictorial), texts (literature) or audio visuals ~~etc.~~

Conversation leads to a healthy exchange of ideas. It helps one to find different viewpoints on various subjects. The more one engages with others, the more holistic his/her understanding gets. In this context, Winston Churchill has even said - ~~war is~~ "Law is better than war - war" i.e. engaging in conversation can even help avoid wars.

Bismark of Germany gave a shining example as to how to use the art of conversation to turn tables into one's favour. By diplomatically

engaging with his neighbours like Austria, France, Italy, he single handedly unified Germany. Hence though solitude being an art of genius, Conversation quint-essentially helps enrich one's understanding

Hitler of Germany presents an opposing side of this spectrum who chose War instead of Conversation & this essentially culminated into the darkest era of mankind "World War-2"

However having said that,

we must all see how engaging in mindless conversations without a holistic understanding can sometimes wreak havoc. The recent controversy surrounding politician 'Nupur Sharma' caused great

domestic & political turmoil owing to her religiously sensitive remarks ~~over~~ on national media. India had to pay a heavy price when the Gulf countries even started boycotting Indian products due to this issue. Hence without a proper & holistic understanding of issues, the social fabric can be destroyed just by the power of few words.

Hence Solitude & Conversation both go hand in hand. To ^{build} get a holistic understand, one must focus on both aspect. Merely practising solitude can lead one to become a "frog in a well" and engaging in mindless conversations without self introspection only proves the saying "Empty vessel makes the loudest noise".

However all this is easier said than done. Solitude requires dedication, discipline, hard work and a single minded pursuit of goal. The likes of Nelson Mandela who created rainbow nation of Africa or the likes of Martin Luther King Jr. who ended the racial discrimination in USA had commonalities of not just being silent hard workers but they also engaged with people effectively through the Art of Conversation.

Martin Luther King's 'I Have a Dream speech' ignited a new dream in minds of billions of people. This started a cycle of events even seen in contemporary times like the #BlackLivesMatter #MeToo or the #Pride March for LGBTQ Community.

At this juncture, the nation can use these twin aspects of solitude & conversation to deal with the predicaments faced by modern world. To deal with Pakistan Terrorism, Pakistan must self introspect & take away the safe heavens ~~from them~~ ^{terrorists}. To deal with climate change, ^{developed} nations must look down in history & look upon the havoc wreaked by them. Even in the Russia-Ukraine, crisis the world powers must ask themselves, "Was it the only way to deal with bilateral crisis"?

Ultimately it is the conversation where lies the crux of finding solutions to all these predicaments. And if that is the case, why not imbibe this aspect of harmonious balance between self introspection through solitude & then engaging in

Conversation into our policies?

In this context, India presents a unique model before the world. Be it the policies of Panchsheel, Non Alignment or No first use of Nuclear weapons, India ^{has} always believed in dialogue & diplomacy. Solitude is a dual edged sword - unchecked, it can wreak havoc like the Neo Colonialism of China while a positive use of it can lay foundation of an Inclusive, Just, Equitable and Rule Based global order.

Conversation → evidence
Solitude → school of genius

Chicken Egg. Prob.

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Solitude → frog in a well

Con → froggy
well

(Don't Write anything in this Area)

makes noise

What is Solitude?

Component for holistic understanding of an issue?

↳ Conversation but what if one isn't well versed with subject?

What comes 1st? Conversing Transmission of Ideas or Ideas?

Where do ideas come from? Is getting ideas the only end goal or there lies an aspect even beyond that?

① Conversation enables U → Talked with Britishers.
↳ understood people (Lanka)

Solitude → Gandhi

② why is solitude imp? → ~~Elon Musk~~ → Buddha

↳ self introspection
↳ identify root cause
↳ develop innovative ways.

intellectual metamorphosis

↳ for

② Solitude / Conversation → ~~Elon Musk~~ → Buddha

→ ② Without solitude not good conse.

"Shallow vessel makes loud noise"

⑤ Nupur Sharma

③ Solitude can't be an end goal
→ Transmission of ideas (3) Globalization

Karl Marx

④ Refinement of ideas when one converses (4) → even avoid war (R-U crisis)

⑤ Solitude not always good → frog in well

② Saddam Hussein, Osama

④ China / Japan / Colonial powers

③ Economics → India closed eco but later opened

④ Education system → Solitude builds brain / no mindless / irrational talks

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④ Take lessons from history. Neither can we remain in solitude forever nor its advisable to engage in 'war of words'

Feedback

Feedback to be provided in terms of (1) Introduction (2) Sentence Constructions (3) Paragraph Formation (4) Legibility (5) Deviation from Topic (6) Coverage of dimensions (7) Simplicity / ease of reading

SECTION - B

1. Digital minimalism - the path towards solving social media paradox.
डिजिटल न्यूनतावाद - सोशल मीडिया विरोधाभास को हल करने का मार्ग।
2. Big tech - Algorithm without humanity is mental holocaust.
बड़ी तकनीक - मानवता के बिना एल्गोरिदम मानसिक प्रलय है।
3. Agricultural Revolution: Road to progress and prosperity OR to perdition
कृषि क्रांति : प्रगति और समृद्धि की राह या विनाश की ओर
4. Work is meaningful when it develops and exercises the talents, capabilities and skills of workers.
कार्य तब सार्थक होता है जब वह श्रमिकों की प्रतिभा, क्षमताओं और कौशल का विकास और प्रयोग करता है।

~~The~~
Big Tech - Algorithm without humanity is mental
Holocaust

The year was 1945. The world was divided into 2 narrow groupings - The Allied Power & the Axis Powers. Gunshots, missiles, rockets, cries of people in pain was all one could hear. And if all this was not enough, the United States did something unprecedented in the history of mankind. It dropped the deadly Nuclear weapons

over the Japanese ~~two~~ cities of Hiroshima & Nagasaki. The very atom which could become a source of sustainable energy for generations to come had become the cause of destruction of millions of Japanese.

Fast forward 75 years, the current world is witnessing yet another attack on humanity - "The Russia-Ukraine crisis".
 These 2 events, though 75 years ^{apart}, had their genesis in the same thing - Technology. Now technology has surely evolved by leaps & bounds in those 75 years but humanity seems to have gone in opposite trajectory during these very years.

This whole saga only proves that Big Tech - Algorithm, if devoid of humanity is nothing but a mental holocaust -

Now what is Big Tech? What is Algorithm? How do we define humanity? What are its basic principles? Is Big Tech always antithetical to furtherance of humanity? Or do they have some common ground? What happens when they diverge & what can be the benefits when they come together for betterment of mankind? And above all, why the world of Algorithms is on a rise & the Humanity on the path of decline?

Big Tech refers to any disruptive process that helps in improving ways of doing existing things, substantially for example the Industrial Revolution of 1830s or the Internet of 2000s. Algorithms refers to computer processes and flows which helps in automation of manual tasks or improving efficiency of processes or reducing time taken to complete particular task. For example the

Machine learning algorithms for better delivery of Govt services to citizens.

On the other hand, Humanity refers to the ideals of Fairness, Justice, Equality, Liberty, Inclusivity which form the foundation of mankind along with showing care for Environment & Compassion for other living creatures.

From Historical to Modern times, from Political to Social to Environmental arena, Technology has always shown dual faceted nature -

In the political domain, take the case of Cambridge Analytica incident. The lust for political power capture, violated the humane aspect of Privacy of individuals. However the same technology can be used to further humane aspects of Inclusivity &

safety of individuals as seen in the pilot project of Election Commission of India to use Blockchain to facilitate voting even in remote areas. safety.

Similarly in Health Administrative domain, while the Pegasus software created a mindless intrusion into lives of people, Mumbai people showed how to use this very technology & power of social media to improve service delivery & governance for people.

likewise in Environmental domain ~~too~~, Technology without humanity has wreaked havoc on Environment. Mindless deforestation, release of sewage into water bodies, indiscriminate use of Ozone depleting substances has caused irreparable damage to Environment. But the same technology when imbued

with Humane aspect of 'one Health' i.e. caring for Environment, wildlife (fauna) & flora alike has caused wonders. The inventions in the field of solar & wind Power and advancement in the field of electric Vehicles are testaments of the same.

This chain of anecdotes doesn't stop here. Even in the History, Technology showed its dual faceted nature. Discovery of compass, Industrial Revolution & Naval advancement led to discovery of new world, advancement of ideas & culture on one hand, But on other hand it gave birth to nasty colonialism, slave trade & economic exploitation of people. In all these cases humane principles of Equality, dignity of mankind got sidelined & Profit motive

along with selfish interests took precedence, having explored dual nature of Algorithm in various domains, we must wonder that though Algorithms are on rise, why is Humanity on decline?

The modern world is dominated by the culture of Consumerism. Kant's Deontological focus on Means has paved way to focus more on Ends as suggested by Machiavelli in his Teleological theory.

Technology is just seen as a way to further narrow Human Ends. Profit motive, exploitation of environment, mindless killing of flora & fauna have become the norm of the day.

Take the field of Biotechnology. A Chinese scientist 'He' used algorithms to edit the genetic code of a parent and

created 'Designer babies'. Now if perpetuated further, this can be used for selective breeding of one race. This whole use of technology is nothing but a mental Holocaust.

Similarly there have been talks of Russia using Artificial Intelligence algorithms to create an army of robots. A video also appeared on YouTube where Russian robot was seen firing bullets. Humanity has stooped so low that "we have even started to train robots to fight as if humans weren't enough".

However all this being said, there is a silver lining to everything. When algorithms and humanity have intersected, it has caused wonders for mankind.

In the field of Biotechnology, there have been breakthrough discoveries like the Proton Therapy for curing of Cancer. In the field of Nanotechnology, algorithms have proved to be a blessing to find cure for some of the Rare diseases.

Likewise during Covid, Govt of India's Arogya Setu app used open source Machine learning algorithms for contact tracing. Robots were deployed in hospitals for sampling & on stations to maintain social distancing.

In nuclear domain too, we are seeing Nuclear powered space Missions which can open new dimensions for mankind. And Quantum Computing has come as a breakthrough in the field of encrypted communication.

Not only this, Technology has become a means in many ways for the advancement of humanity. The algorithmic power of social media witnessed for women rights movement #MeToo or the movement for the blacks i.e. #BlackLivesMatter or the recognition of transgenders i.e. #Pride March have put humanity on higher echelons. Here the humane aspects of 'Compassion, Love, Equality, Justice' ^{were} combined with the power of Technology. Thus Mental Holocaust paved way for Mental Enlightenment.

Hence going forward, the baton lies in our hands now - whether we want Technology to become the sole cause of mental Holocaust or do we want to use it to create an equitable,

Inclusive, Tolerance world where Humanity forms the bedrock of algorithms and then it can create a virtuous virtuous loop where humanity & Algorithms both reinforce each other.

Whatever algorithm or Technology we develop must confirm to some basic humane principles. Firstly these algorithms must be in line with the Gandhiji's idea of Tolismam which cares for poorest of poor. Ashar is a positive step in this direction. Secondly the algorithms must imbibe a One Health approach. Environment, wildlife & vegetation must be at the forefront when developing new algorithms. Paris Agreement & India's Panchamrit are reflections of the same.

Thirdly, Technology must be financially viable & affordable. It must not create a world of 'Haves' and 'Have Not's'. India's Vaccine 'Aatmi' program shows the humane principle of Vasudhaiva Kutumbakam.

Fourthly, job losses due to Technology must be accompanied by skill development of those who are victims of automation.

Lastly every algorithmic process must imbibe a Code of Ethics to act as guiding light. Asilomat Principles for Artificial Intelligence & President's principles of Blockchain are good starting points.

Only this virtuous approach can lead to transformation of Big Tech Algorithm from Mental Holocaust, ~~to~~ ^{a curse} to Mental Bliss, a blessing.

Algo w/o Humanity = Mendel Holocaust

- ① Political → Cambridge Analytica
- ② Estimator → BC based voting
- ③ Admin → remote voting.

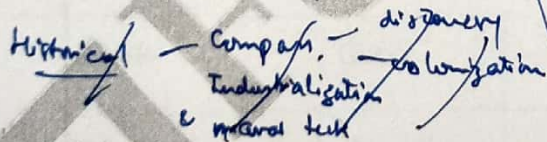
- ④ Admin
- ⑤ Pegasus controversy
- ⑥ & Gammap → Mumbai police

- ⑦ Education
- ⑧ Cheating / Transparency REET exam
- ⑨ Delhi model virtual school

- ⑩ Social
- ⑪ selective profitability, racial targeting
- ⑫ Metoo, Pride march, etc

- ⑬ Security
- ⑭ Robots firing bullets, space weaponization
- ⑮ CIPMS → target terrorism

- ⑯ Media
- ⑰ fake news, Delhi Govt locker room
- ⑱ transmission of ideas.



- ⑳ Envy
- ㉑ GW, CA
- ㉒ Plan. Emergency, vehicles

① Intro

② What is Big Tech

What is Humanity

→ & what happens when they intersect & what when they diverge

→ Is Big Tech always antithetical to advancement or do they complement each other

→ Why Humanity on the rise & Algo on the fall?

Biotechnology

Resigner Babies
Cure Cancer

Vaccine

Nation
Nation

Nanotech

Biowarfare agents
CNT to improve drug delivery

AI

army of soldiers
Sophia robot, Covid treatment

Blockchain

people lost souls
decentralized currency

Quantum Computing

Cyber warfare (China)
Cyber security (Space comm)

Algorithm must not let Humanity fade into oblivion

Feedback

Feedback to be provided in terms of (1) Introduction (2) Sentence Constructions (3) Paragraph Formation (4) Legibility (5) Deviation from Topic (6) Coverage of dimensions (7) Simplicity / ease of reading