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NEXT IAS

ANUBHAV ESSAY TEST
निबन्ध-परीक्षा
CSE 2023

कार्यालय के प्रयोग हेतु
For Office Use

निर्धारित समय: तीन घंटे
Time Allowed: Three Hours

अधिकतम अंक: 250
Maximum Marks: 250

General Instructions

This question-cum-Answer (QCA) Booklet contains 32 pages. Question Paper in detachable form is available at the end of the QCA Booklet which can be taken away by the candidate after examination.

Two blank pages (Page Nos. 31-32) have been provided for rough work.

On receipt of the Booklet, please check that this QCA Booklet does not have any shortcomings, torn or missing pages, etc. If so, get it replaced with a fresh QCA Booklet.

सामान्य अनुदेश

इस प्रश्न-सह-उत्तर (क्यू० सी० ए०) पुस्तिका में 32 पृष्ठ हैं। प्रश्न-पत्र क्यू० सी० ए० पुस्तिका के अन्त में संलग्न है, जो अलग (वियोज्य) किया जा सकता है और उत्तीर्ण परीक्षा के उपरान्त अपने साथ ले जा सकते हैं।

रफ़ कार्य के लिए दो खाली पृष्ठ (पृष्ठ सं० 31-32) दिए गए हैं।

पुस्तिका प्राप्त होने पर, कृपया यह जाँच कर लें कि इस क्यू० सी० ए० पुस्तिका में कोई कमी न हो, फटा हुआ पृष्ठ न हो अथवा कोई पृष्ठ गायब न हो इत्यादि। यदि ऐसा हो, तो इसके बदले नई क्यू० सी० ए० पुस्तिका प्राप्त कर लें।

(To be filled by candidate)

All fields mandatory

(Inaccurate/Incomplete information may lead to delay in the evaluation process)

Name of Candidate : TUSHAR CHAUHAN

Next IAS Roll No. : MTS23 CERA006

Test Code → TC- 115

Date of Examination : 21/08/2023

Exam Centre : Old Rajinder Nagar



Bhopal



Online



निरीक्षक का कोड
Evaluator's Code

कार्यालय के प्रयोग हेतु
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[To be filled by the STUDENT]

Student's Queries for the Evaluator (if any write them below)

[To be filled by the EXAMINER]

Evaluator's response

प्राप्तांक के विवरण (परीक्षक द्वारा भरा जाए) / Marks Details [To be filled by the Examiner(s)]

	निबन्ध विषय सं० Essay Topic No.	अंक Marks	
खण्ड-A Section-A			
खण्ड-B Section-B			
सकल योग / Grand Total			

Your performance vis-a-vis other Examinees/Students
[To be filled by the Examiner(s)]-

Front Runner	Achiever	Aspirant

EVALUATOR'S FEEDBACK: ESSAY SECTION-A

Parameters	<i>Exemplary</i>	<i>Good</i>	<i>Average</i>	<i>Needs Improvement</i>
Understanding				
Coherence				
Lucidity				
Structuring				
Presentation				



EVALUATOR'S FEEDBACK: ESSAY SECTION-B

Parameters	<i>Exemplary</i>	<i>Good</i>	<i>Average</i>	<i>Needs Improvement</i>
Understanding				
Coherence				
Lucidity				
Structuring				
Presentation				



	महत्वपूर्ण अनुदेश उम्मीदवार को नीचे उल्लिखित निर्देश सावधानी से पढ़ लेना चाहिए। किसी भी निर्देश का उल्लंघन करने पर उम्मीदवार को मिलने वाले अंकों में कटौती, उम्मीदवारी रद्द, परवर्ती परीक्षाओं के लिये वर्जित करने इत्यादि के रूप में दंडित किया जा सकता है।	Important Instructions The candidate should read the under-mentioned instructions carefully. Violation of any of the following instructions may entail penalty in the form of deduction of marks, cancellation of candidature, debarment from further Examinations.
1.	(क) अपना अनुक्रमांक एवं अन्य विवरण केवल प्रश्न-सह-उत्तर (क्यू० सी० ए०) पुस्तिका में उम्मीदवार के लिये निर्धारित स्थान पर ही लिखें।	(a) Write your Roll Number and other details only in the space provided in the Question-cum-Answer (QCA) Booklet for the candidate.
2.	अपनी क्यू० सी० ए० पुस्तिका में कहीं भी प्रश्नों के वास्तविक उत्तर के अतिरिक्त कुछ न लिखें जैसे कि कोई कविता/दोहा, अमद्र या अपमानजनक अभिव्यक्ति इत्यादि और न ही कोई ऐसा चिह्न/निशान बनायें जिसका उत्तर से सम्बन्ध न हो।	Do not write in the QCA Booklet anything other than the actual answers of the questions such as couplet, obscene or abusive expression, etc., nor put any sign/mark having no relevance to the answers.
3.	परीक्षक को प्रत्यक्ष/अप्रत्यक्ष रूप से कोई भी प्रार्थना/धमकी भरी बातें न लिखें।	Do not make any direct/indirect appeal/ threat to the Examiner.
4.	उत्तर अस्पष्ट अथवा गंदी लिखावट में न लिखें। इस प्रकार के उत्तरों का मूल्यांकन नहीं भी किया जा सकता है।	Do not write answers in bad or illegible handwriting. Such answers may not be evaluated
5.	उत्तर स्याही से ही लिखें। उत्तर लिखने के लिये पेंसिल का उपयोग न करें। हालांकि आरेख, चित्र इत्यादि बनाने के लिये पेंसिल का उपयोग किया जा सकता है।	Write answers in ink only. Do not use pencil for writing the answers. However, pencil may be used for drawing diagrams, sketches, etc.
6.	प्रवेश-पत्र में उल्लेख किये गये माध्यम के अलावा अन्य किसी माध्यम में उत्तर न लिखें। अधिकृत और अनधिकृत की मिली-जुली भाषा का भी उपयोग न करें।	Do not write answers in a medium other than the authorized medium in the Admission Certificate. Do not use mixed language, i.e., authorized and unauthorized media together, for writing answers.
7.	प्रश्नों के उत्तर ठीक उसके नीचे दिये गये निर्धारित स्थान पर ही लिखें। निर्धारित स्थान के अलावा किसी अन्य स्थान पर लिखे गये उत्तर का मूल्यांकन नहीं किया जाएगा।	Write answers at the specified spaces (right below the questions) only. Answers written elsewhere at unspecified spaces in the Booklet shall not be evaluated.
8.	यदि आप अपने किसी उत्तर को रद्द करना चाहते हैं, तो उसे पेन से काट दें तथा उस पर 'रद्द' लिख दें, अन्यथा उसका मूल्यांकन किया जा सकता है।	If you wish to cancel any work, draw your pen through it and write 'Cancelled' across it, otherwise it may be valued.

NEXT IAS

खण्ड-A / Section-A

उम्मीदवारों को
इस भाग में
लिखना मना है।
Candidates
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- 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 कर 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।

In his book 'Sapiens', Yuval Noah
Harrari talks about Cognitive Revolution
among Humans. He says that Humans
have created a Dual reality that is
Objective and Imaginative reality.

The former means the rivers, lakes etc.
which are True while the ~~at~~ later
is the Human designed like nations,
money, ICT etc.

He further adds that today
Humans are transitioning into
becoming Intelligent gods (Homo Deus)
who have created a new Artificial

Intelligence which is not only overcoming mental limitations but have capability of more damage too. In other words, Artificial intelligence or AI is not expanding our mental horizon.

So what is this new revolution of AI? Is it really overcoming our mental limitations? How is it limiting our mental horizon? or not expanding it? Are there any ethical issues with respect to AI? What really is needed to make it really a tool for future?

Let us examine these questions through the endeavour of this essay.

Artificial Intelligence (AI) is the ability of machines to do Cognitive task. It can be a simple AI app like Alexa. It can be complex answering our all questions or writing codes like ChatGPT developed by Open AI. It can be more advanced as shown in Hollywood movies like Jarvis of 'The Iron Man' which is capable of human control.

AI : Overcoming Mental limitations

Human ability is limited by its brain capacity. Ideally, a human usage less than 100% of its brain. This limits us in solving complex mathematical problems like weather forecasting models, language translation of all kinds, fast calculations and so on.

With the development of AI, today AI can help in predicting the path of Cyclones. It can quickly write an essay or solve coding problems. It can create past images. For example, the recent visual AI created images of Shri Rama based on description from Ramayana.

Moreover, in business domain, it is speeding the logistics by giving the best path for trucks movement. It is creating next generation driverless cars ensuring road safety. Similarly, it can automate the schedule of buses, trains etc. which is a complex task. Likewise, in stock market, it can overcome human limitation in fast market trend analysis.

In Agriculture sector, AI can help in monitoring soil health and ensure optimum fertiliser uptake. It can save water. Thus, fulfilling the goal of Precision Agriculture which is hindered due to limited human capability. This will ensure food and nutritional security and achieve SDG-2 (Zero Hunger).

Again, to fulfill another SDG i.e. 3 (Health and well being for all), it can expand Human capability in speedy diagnostics, mass Public Health Surveillance, Targeted Drug Delivery and so on. It can provide best treatment for diseases like Cancer. It can provide last mile reach to India's Digital Health Mission as also suggested by NITI Aayog.

Further, in social regime, it can help in eradicating evils like Manual Scavenging. A recent demonstration of Bandicoot robot for cleaning sewers is the evidence of that. It can help in protection of rights like right to information, an implicit right under Article 19 of Constitution of India.

Likewise, It can provide more reach of Education to hitherto 'unreached'. For instance, it can provide faster evaluation, improve learning outcomes and complement education through 3D models. A UNESCO report have identified potential of AI in education and called it a "tool of modern education".

Further, indeed the best case of AI overcoming human

limitation would be in Governance sector. Here, AI has the potential to ensure Last Mile Delivery through its interventions in Evidence based policy making and ensuring Data led governance. AI can plug the inclusion and exclusion errors of schemes like PDS under NFSA. (Food Security Act.

It can help in rationalising and simplifying 1700 archaic laws identified by Ramajunam Committee. Thus, it is clear that AI can overcome Human limitations. but is it expanding human ^{mental} horizon?

Human mental horizon means the wisdom of Human to ensure and uphold values, rights and duties. As rightly said by Pablo Picasso, "every good thing developed has a negative

price ... genius of Einstein lead to Hiroshima! What about AI?

AI: all that glitters is not gold

Today, in the world of conflicts, a misuse of AI by wrong hands may lead to weaponisation of AI to damage cyber physical systems of world. Recent use of cyber attacks in Russia-Ukraine war is evidence of same.

Moreover, with the advent of Internet Revolution, the biggest threat from AI is in social media domain. The rapid surge of Deep fakes created using AI to spread fake news and hatred. Likewise, the AI has been quick in learning discrimination. The world was shocked when Microsoft revealed that its AI bots

have racial biasedness. The recent problem of emerging AI enabled cloth remover apps highlights the misogyny and discrimination against women.

In Business domain, the question of market manipulation using AI shows there is still long road to mental horizon. Moreover, Ethical issues like Data theft, Data privacy, Racial profiling, AI manipulating elections etc. raises several questions. The example of Pegasus for surveillance by state is evidence of same. In Bio technology, the possibilities of new chemical-bio weapons, use of AI for designer babies are threats. It is becoming more

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इस भाग में
लिखना मना है।
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clear that the present inequalities where top 10% holds more than 70% of world's wealth according to World Inequality report are going to aggravate further. The growing dominance of big companies like Meta is an example of same.

Moreover, there is erosion of values like compassion, integrity in society which is also getting reflected in AI. AI has done very little to expand mental horizon. Instead, it is further aggravating mental damage. the rising incidences of communal riots and hatred will augment multifold due to use of unethical AI. Thus, this calls for urgent and immediate action.

Silver lining in Dark cloud

As intelligence gods, we need to create a responsible and ethical AI system. This can be done by inculcating value education in society. as individuals replicate their values in design. Swami Vivekanand call for Character giving education is need of hour.

Secondly, the global cooperation is required for bringing UN convention on regulation of AI ensuring its use for global peace and sustainable development.

Thirdly, Open source software development and decentralisation should be promoted for ensuring regular social audit of AI development.

Lastly, AI should be protected from racial bias and discrimination. This can be done by promoting transparency in algorithm development.

There is a need for ensuring blend of traditional and modern values of equality in AI.

As Gandhiji rightly said " Morality is basis of all things, Truth is substance of morality". we need to create an AI system which upholds Truth, Compassion, Responsiveness and work for Global family.

खण्ड-B / Section-B

उम्मीदवारों को इस भाग में लिखना पना है।
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- 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।

APJ Abdul Kalam famously said in his book "The wings of fire". that "Everyone has a divine fire in them, all we need to give wings to that fire". This book is a story of a young boy who dreams and achieves them overcoming his difficulties.

It is the story of a nation who dreams. For outsiders, this nation do not have adequate resources. But, the sheer determination of its dreamers have fulfilled the collective dream because its dreamers

Dreams for the best and were prepared for the worst like the young boy. The young boy is shri Kalamy and the nation is "Bharat". This is what Bharat stands for and will always will.

So what are dreams? Why to dream for best when there are difficulties to achieve it? Why to be prepared for worst? What to do in between? Enjoy the life or stress about fulfillment of that dream? How should we move the road to our dream? This essay attempts to answer these questions.

According to APJ Kalam, "Dreams are not what you see in dreams but Dreams are those which do not let you sleep." A dream can be of a child to get good grade. A poor will dream to get rid of poverty. A women dream is to break the cage of misogyny and harassment. For example, The Sultana Dream.

A Civil Servant dream would be to uphold integrity and show utmost dedication to public service. For instance, Armstrong Pame building he dreamed "People's Road" without government funds.

A society's dream is to get rid of social evils like Caste discrimination.

The nation will dream to become a global superpower and achieve sustainable development.

Dreaming the best

It means desiring the best results. Freedom fighters dreamed of an independent India. For example, Rabindranath Tagore of waking up in free India.

Moreover, Dreaming best motivates us to fight injustice. Gandhiji's dream of Hind Swaraj was the driving force for initiating movements like Quit India. Further, it ensures we are focused to fulfill our goal. This is clear from India's scientist dream for successful Mangal Mission in first attempt.

Similarly, it helps in showing persistence and hardwork towards the dream. Confucius advised to go slow but do not stop towards a goal. More we dream for best, more we are committed to it.

It facilitates in examining our life as advised by Socrates and being self aware as recommended by Daniel Goleman. This lowers anxiety and depression. Dhoni fulfilling the dream of winning world cup for India while being prepared for worst in the final match clearly highlights the same.

Preparing for Worst

Humans are social animals. We are bound to be influenced by negative emotions as said by great Kautilya. While following one's dream, we think about various difficulties such as Civil servant fear of getting caught for corruption erroneously or by conspiracy even when we are taking honest decision. Thus, this calls for being prepared while moving towards a 'dream'.

Being prepared for worst provides Courage to fight: This is evident from Durga Shakti Nagpal fight against sand mafia. Moreover, it helps in reducing damage if our plan is not fulfilled. A Disaster ^{risk} reduction plan helps in mitigating the worst cyclones, pandemics like COVID and secures the dream of SDG-11 (Healthy Communities).

Likewise, it promotes innovation and creativity in developing alternate plans for mitigating failures. For instance, Steve Jobs after losing his dream company Apple for some time again developed a new startup through his innovation. and he said, 'Innovation is the difference between a leader and follower.' Thus, a leader is always prepared for worst.

Importantly, the pre-preparedness helps in motivating self and our team during the times of challenges on the road to collective dream. Vikram Sarabhai role in handling initial failures of ISRO team helped ISRO in becoming one of space leaders in world.

Indeed, the most important advantage of secure pre-preparedness is in comprehensive border security.

The next generation warfare of Hybrid weapon technology like Drone weapons demands India to be prepared for worst that is, a 2 front war. From China and Pakistan.

Similarly, the challenging nature of International diplomacy in the modern world. requires India to maintain its strategic autonomy

and be prepared for issues like Russia-Ukraine Conflict, Economy Crisis etc while projecting it as a global power.

Today, the global leadership is facing climate change crisis. According to IPCC AR6 report, the world is likely to breach 1.5°C limit set by Paris Agreement. The consequences will be dire as the damage of tipping points like Arctic have started. A dream of Sustainable Development can be achieved only by preparing for worst. But, there is a life between the dreams and the present, so how to walk down that road?

As often said, Happiness is the path to success. Thus, this calls for enjoying the life in between.

Enjoying the life in between

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बुरा भाग में
लिखना पना है।
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The path to dream should be driven by contentment, Happiness, peace and satisfaction. According to James Mill, an ethical action is one that serves maximum good for maximum people. Thus, the enjoyment in life is also ethical.

Moreover, Human brain is driven by chemicals like Serotonin and Dopamine. They demands us to enjoy to ensure healthy mental balance. This reduces anxiety. For example, enjoying through playing cricket.

Further, enjoyment also provides much needed energy to be focused towards our goal. For instance, Happiness from achieving smaller tasks like going to best colleges while pursuing large dream.

It is also key for bringing change and learning from life. In broader sense, enjoyment would mean being more self aware and practicing self-emotional management. Thus, a calm person who be able to change which is key for evolution.

Having discussed this, let us see the tools required for attaining the dream while being prepared for worst and enjoying the life in between.

Walk to Dream with Stick

First, it is helpful from learning from the techniques and methods of leaders like Thomas Elva Edison who despite failing 1000 times always followed his dream to light the bulb.

Secondly, One should develop Emotional Intelligence by practising meditation like Vipassana, build self awareness and keep examining the plans while ensuring focus towards the goal and prepare for difficulties.

Thirdly, A Healthy environment needs to be developed for growth and productivity by promoting good work culture and collegiality so that team is prepared for all challenges.

Lastly, one can adhere to the principle of Swami Vivekanandji who advised that "Take up one idea, live it fully like a dream, overcome all the hurdles and live that idea for whole life."

This would help not only the young persons of Bharat in achieving their dreams but also help Bharat in becoming a \$5 Trillion Atmanirbhar (Self Reliant), Viksit (Developed) and Inclusive nation.

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Dream? → Indiv / family / Society / Nation.
 Public CS. → eg. to earn money / fame / to get good marks.
 g. Keshi Dilli → women → children → poor, educⁿ to children, respect.
 Og. → possibility, work culture Company → global power
 Ego. Development.

Space for Rough Work

Why Dream best?

→ ~~Admission~~ ~~Education~~ Tagor Dream.

① Motivation, e.g. Gandhiji (hindu swarg), to fight injustice.

② full goal e.g. Swamiji take child.

③ self awareness, e.g. prevent from anxiety (Dhoni).

→ ~~social skills~~ Happiness.

④ Hardwork

⑤ Resilience → unite. → 3

⑥ Focused.

Why Enjoy in middle? (Pam) of happiness.

① Contentment, peace

② Human needs.

③ Satisfaction.

④ Change & Learning

⑤ Overall Mental Health.

can

Swamiji take one idea.

fascina

Why prepare for worst? COVID preparation

(1) lower damage → cyclone, floods

(2) Commitment to fight. → Economic shock

(3) Plan B worth

(4) ↑ Diplomacy (IR). → Strategic ally

(5) Border security

(6) Support to team as leader

(7) Shows innovⁿ creativity

(8) Empathy → e.g. PM isro.

WF

① Learning from leaders.

② Meditation

③ Prachi ET → OG, Society examined

④ ~~Value~~ Healthy life.

⑤ Environment.

Int 3

Wings of fire → APS Kala → Biru firimide →

Wings to his fire → WOF is a story of young

boy that dreams and achieves it's difficult

It is a story of young nation. But for outsiders

we have limited resources. But through

① The end of her dream that dream but we are prepared for work, India.

Collective dream. This is what we

and that we should

① AI?

② ~~What~~ Mental lts? (Advant)

③ not exp. Mental horizon? Why challenges.

④ WF

I have a dream

Machine

Sub
leg.

Space for Rough Work

9:05

AI? → ability to do cogⁿ task.

forms → simple, lang., advanced AI.

Alexa chat GPT. future

lts? → Balance → AI → Complex prob | wearmu | cyclones | floods | climate

Security → B Mgmt.
Pol → legⁿ, rights.

Business → AI → SCM / Marketing / Opⁿ / Constⁿ → Mangmt / Stock Market / Alcars.

Legal → Contracts.

Health → Diagnosis / Surveillance / Targeted drug delivery / One Health.

Agri → PF / Fertil^r eff^o ↑ / water m^t / Better seeds / Soil health.

Marketing → grain storage, Automated supply chain, Price rel^s.

Educⁿ → Mass Educⁿ / Evalⁿ / Resⁿ / transⁿ (Bharini)

Govⁿ → PSD / LMC / IOT / E gov / Data led gov / Evidence based policy.

Social → bandiwat / self regⁿ on social media /
Space → ~~Quant~~

Minors software can
(Bul^ohai) record
discⁿ.

Challenge Science → weapⁿ, AI attack (espionage),

inequalities → ~~Health~~ → Deep fakes, fake news, hate speech, biased, claim removal app is
Social →

Business → Markt manipⁿ, Safety issue → Alcars, decⁿ failure risk.

Erosion of
values.

Health Ethical → Data theft, Data manipⁿ, Racial profiling, Discⁿ.
AI controlled society.

Gender Misogyny, cyber security issues.

Health → Design babies, Bioweapons.

Educⁿ →

Govⁿ → State surveillance (FRT).

Intro → Yeah Noah Harari in sapiens → ~~imaginations~~ +
intelligent gods homo Deus → creating AI → capable

cognitive revⁿ → objectives
→ today we are
trans human →

do k Samasta Sukhina
Bharanto.

Ethical

End → AI potential to add \$1 Tr to economy → etc

WF

① Responsible

② Ethical

③ Value Educⁿ

④ Open

⑤ Decentralised.

⑥ Driven by techⁿ + Market.

"Morality as basis of all things."

Tam is basis of morality."

We need to create an AI which is
upheld the values of truth, compassion,
responsibility, equality; to

create Indian ethos
Atmanthel