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RCA ESSAY-Test 2 आर.सी.ए. निबन्ध-परीक्षा 2 CSE 2023

कार्यालय के प्रयोग हेतु For Office Use

निर्घारित समयः तीन घंटे Time Allowed: Three Hours अधिकतम अंकः 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 (क्यू॰ सी॰ ए॰) पुस्तिका में 32 पृष्ठ हैं। प्रश्न–पत्र क्यू॰ सी॰ ए॰ पुस्तिका के अन्त में संलग्र है, जो अलग (वियोज्य) किया जा सकता है और उम्मीदवार परीक्षा के उपरांत अपने साथ ले जा सकते हैं।

रफ 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।

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#### [To be filled by the STUDENT]

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Student's Queries for the Eval	uator (if any write them below)
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73	
[To be filled by	the EXAMINER]
Evaluator	response
-373.20 (25.00)	

	निबन्ध विषय सं० Essay Topic No.	अक Marks	
ਬਾਤ–A Section–A	02	49	
खण्ड—B Section=B	05	57	
सकल योग/Grand Total		106	¢)

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

	Achiever	Aspirant	
92			
*	) with little may rea	efforts you ch there!	

## EVALUATOR'S FEEDBACK: ESSAY SECTION-A

Parameters	Exemplary	Good	Average	Needs Improvement
Understanding		/		
Coherence			-	
Lucidity			1	
Structuring			1	
Presentation			-	

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17	

# EVALUATOR'S FEEDBACK: ESSAY SECTION-B

Parameters	Exemplary	Good	Average	Needs Improvement
Understanding		~		
Coherence			7 1/13/13	
Lucidity				
Structuring		/		
Presentation				

-> The understanding, wherence was on -> the Intro Can be linked better with the core topic (both topic L & Topic 2). -> There are Jew <u>Simensians</u> (refer micro comments section)

Mich conto have been touched upon tout overall it how a fecune-attempt -> Since about 20 Says are left by to brainstorm 3topics/week and by to Consolidate the angesoles/quoles/ you'll Do seally well, just keep going.

	महत्त्वपूर्ण अनुदेश	Important Instructions
	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 चढ़, परवर्ती परीक्षाओं के लिये वर्जित करने इत्यादि के रूप में दंडित किया जा सकता है।	The candidate should read the under-mentioned instructions carefully. Violation of ary 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 कंवल प्रश्न–सह—उत्तर (क्यू० सी० ए०) पुस्तिका में उम्मीदयार 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 क्यू॰ सी॰ ए॰ पुस्तिका में कहीं भी प्रश्नों के वास्तिबक उत्तर के अतिरिक्त कुछ न लिखें जैसे कि कोई कविता/दोहा, अभद्र या अपमानजनक अभिव्यक्ति इत्या दे 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 अनिधेकृत 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 लिखें 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 i', otherwise it may be valued.

#### *TEXT IDS*

### खण्ड-A/Section-A

Q.1 You can't serve data on a hungry man's plate.
आप किसी भूखे आदमी की थाली में डेटा नहीं परोस सकते।

(2)

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।

AT is overcoming our mental limitation but not expanding our mental horizon. When sophia, the first humanoid robot based on Astificial Intelligence chuckled and said " one day robots will take oner the world", it surely prones that in a reace of givin AI buts limitless mental capacity, we have failed to expand our own mental horizon to understand the granest threat to human existence. Artificial Intelligence that began to take oner human domain in the automated machines in the एम्मीदवारों को इस भाग में लिखना गना है। Candidates must not write on this margin

Chood of Charles of the Charles of t

NEXT IRS taken once almost 1980s, has now (life). all the spheres of our huntano owe smart from present energywhere, ACS that turns on off sensing humans ZUMY to solving complex of equations in workspace. Generatine AI has been a new addition to it. generatine AI which is large larguage whosed on human viace nowadays. to Google Band Chart GPT are pushing all the corporate houses their capabilities to design the best AI apps and devices. Another machine form of this intelligence aurup The capacity Leaving which usgiving es to tearn from our feedbacks unputs given the almost limitless a leren, capabilities of these AI models, it very obvious to uningginable Xh has hinen to deshoy us - both materially mentable

इस भाग में

Candidates

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This issay. Seeks to analyse how AI has helped onercome owe mentaling limitations? and how it is corrupting mentality. It will also see how humans have failed to cape up with the this every increasing development. At this every increasing development.

dast it will also see we can deal with

it. The first half of the essay topic talks about mental limitations of human beings. do, it is important to know are considered to be the most creatures of the world but they are timited in their their exposure and their expanse of subject expertises. It night take owe whole life to become master in one field, yet it is often said that we only use 40% of our cranal rapacities which again is mental limitation

इस मान में शिव्यना मना है। Candidates must het which win Mints margin

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तम्बीदवारों को इस भाग गें लिखना मना हैं। Candidates must not write on this margin

This mental limitation of domain expectise has been very well overcome by AI models. It takes tens of years distributy to become a medical doctor fore but only seconds to AI to make a dung discovery, Evenmore, Humologia the Alphafold has been able to discover the protein folding shuchure hich can aid in knowing the efficacy of drugs, seciphering this structure was a 'hurculean task' for humans Similarly, it takes hundreds of scientists to discovers a compound or to know what would structure and properties. Bu machine it is matter ABC". They have been ably described the compound on on which a research paper was based upon. gathered the cawe of retarchers from all over the world, as discovery superconductivity might just be away

In addition to this, though all of are well aware of global warming and its consiguences to gather actual - real time data on it, making it a long term the AI sensors used But then comes by UNEP's situational Analysis Centre use these AI fredbacks to and know The rea melting of glacier - all ones the world. Not just ling scientific endeavours, AI is making its presence feel even in our daily chores . Earther, we to depend upon our our research on Google to make a project which often used to take . Now, we have to make data owe favorite that GPT Le graphical comparisons with different countries, write lengthy essays and what not! It has no boundations, it even can generate images based on our description

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

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many or many

Our state and judiciary too is well aware of its vast tapabilities, for using AI to know about it aus sor proper take beneficiaries in like Ayushmaan Bhgrat. The Agre the model for other vities uses AI xensons detect marholes, manage traffics Thus, AI has been a breaker of owe mental barriers. But such positive attitude towards it reflected in (a gregent letters) by AI proneirs where they wrote that we need to "mitigate th ext threat of extinction to human life from AI, as much as to mitigate others tike climate This is a forewarning about change we tail to the effects of AI if expand our horizons to understandit use it productively

चमीदवारों को इस भाग में तिखना गमा है : Candidates must not write on this margin

example of failing to expand norizon is the recen Universe" where d that Sland Miemann boy cheate l dome AI. blurred JPG show

हानीडवारों को इस माग में लिखना मना है। Candidates must not write on this margin

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Pung Whole society, in fact, is facing our himm of that because threats Misshy upon us. D Cheller betie on (m) that W in technology has always the rase for we have examples of places has been misused bell ate false vouces pul notines. for their own wetheral the reliance purch on to depletion 6 the models are based Dojone It tones & onda natures absence MENTAL SPACE

क्ष्मीदवारों को इस मान में विखना गना है। Candidates must not write on

similarly, we have failed to understant that AI can cause huge loss to the World Bank poor and downhadden jobs loss of AI driven automation. e corporate houses have # might t reace convenier or have discarded this fact Therefore, as one famous scientist has beautifully somethi working on real human stupidet work upon that ETHICAL VALUES the disconques and threa be built through daws Balann R Ma self vestraint. 15

डम्मीदवारों को इस भाग में दिन्छना मनः हैं। Candidates must not write on this margin

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द्रमीववारों को इस भाग में जिखाना मना है Candidates must not write on this margin

So, while Lauvan has banned use of AI un etectionering, many other countries are Me-evaluation in their spoce, scientists run have themselves put up a paus on the scapid AI development where Sam Altman has stopped it at CHAT GPT 4.0 As Shephen Howkings has you orgued, Artificial Intelligence would token distroy entire human race as it can build for itself a better version successively. Therefore, me need expand our mental horison change and to cope up with the stop int a most importantly to gorrect point we also need to appreciate and respect humans and Meir some of is right to fly on the wen

of AI, when might not! As Dui Parhi koem of Tagore beautifully sums up, Bird in the cage does not want to go with the Bird of the forest has it feels safe there tiens Similarly, humans might not to break their mental limitate

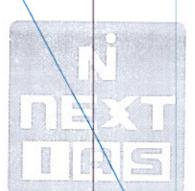
उम्मीदवारों को इस भाग में लिखना गना है। Candidates must not write on this margin

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### *TEXTIRS*

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



### DEXT IAS

#### खण्ड-B / Section-B

Existence is a science, living is an art. 0.5 अस्तित्व एक विज्ञान है, जीना एक कला है।

If the truth shall kill them, let them die. 0.6 यदि सत्य से किसी की मृत्यु होती है, तो उन्हें मरने दो।

The only way to go beyond things, is to go through them. 0.7 हालातों से परे जाने का एकमात्र तरीका उनसे होकर गुजरना है।

Dream for the best. Be prepared for the worst. Enjoy life in between. Q.8 सर्वश्रेष्ठ के लिए सपना देखें। सबसे बुरे के लिए तैयार रहें । इसके बीच के जीवन का आनंद लें।

उम्मीदवारों को इस भाग में तिखना गना है। Candidates must not write on this margin

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Neil Armstrong, wherewhy his me strong , he is conscio aut. seeks to

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The universe is said to have emerged from Big Bang 'that took the place billions of years ago. It is Brunanto responsible for making this life possible. Sor the very basis of our existence has been science, ark astrophysics as we call it. The Big Bang and the science that followed, provided awe planet Earth, Well conditions suitable for bunans to survive similarly at is the biological sciences, the basic unit of which is the sell that is making our Gody to function. It is science Com that make those cells develop into tissue, forming organs and finally an organism. The minute capillaries d'auteries are pumping blood our every organ with each beat

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द्वभीववारों को इस भाग में टिम्बना गना है। Candidates must not write on this margin

*DEXTIRS* These scientific disconviles also define our viry existence. So me have fans, where, machines, that are as complex as us, si us all throughout our lines. In fact is often solid that the " Process of has been technologically self discovery outsourced" which defines the importance of science in existence of human beings for flowerer there is a difference between existing and living, latter being an art. At all of its are way or other but only those who make the best out of Kindly avoid estence succeed fin there such In fact, when Aristotles wney of life. An unexamined life is It wwo e surely is worth living" socratio fact of this very Living it like an Ant Connected foir unsustanding 21

**NEXT IRS** like a has beautiful whoms Restor as aut allo also has those our life some wright, some dull but all having its blank an ar journey W away been defly appr lyricists too well "Safar Suhana to exclaining with or ullife, Blantiful Day tor lly challer to the morking an origin of life through enypost

समीदवारों को इस माग में लिखना मना है Candidates must not write on this margin

vind imagination? were also now Like and It is absolutely untrue that the art of life has no gloom, as famous poet has said - " Life is sel not a bed of sioses" but it is more apoo Suprin attitude towards owi defines us. We through our power can make it meanin moving the spikes in those beds Communicati Mest An example of a meaningful Invent they stopped that life is presented by Padma Vibhushan Sandhu Tai Sapkal, who had a tough married life, who was deserted by Minory Com open her husband with a gift child on Communicate the streets but who chose to make They chines the best out of our life. The took in lives to begging to feed where, adopted the street children as the have own, 7 Minds t of giving up h Our on how when even to the exten own daughter to or 8 May our when the established her own weak & downfrodden, coming to be called

le, appreciate even the arts of peop the out of living. you so, we han Me scock which lithic era drawings on here other Hollings, Genitin community life with Lun we have temple sculptures the yers, all of which me depicting religious Pallic testimony to the e appreciated the past this wit of living as even the science believes in the The wind of life . greatest of the scientists reciated the life to . Hower an aut of God often equated with sta ate but it D. in Rumi Om Popula " We rave de thus points dynamism. Therefore, living a science and

चम्मीदबारों को इस भाग में लिखना गना है! Candidates must not write on this margin

MEXTIRS Well debates enutions; छभीदवारों को we have science of इस भाग में Candidates lligence this margin Atimulate Hell 0,000 istion of a talan an art enperient Stephen Howkings it was astrophysics, it was simple ORS for Dilip Mahalarobis observin their lines. many stimal discoverus AND - the life K 50 numans the ch they want to make arct. An example of this, can proton bean therapy cancer patients

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जमीदवारों को इस माग में लिखना पना है। Candidates must not write on this margin

As it is said, god that given us this life with a responsibility Responsibility of not just we ree but of others too! it for emancipation Mandela without knowing the world. " Zindagi Asse Tine li Liyo Misaal Barn Jaye it way that example), we need who auc come

डम्मीदवारों की इस भाग में Georg मना है। Candidates must not write on this margin

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that "Ship is safe in harbour but that is not what ship is meant for" and therefore we reed to use the science which made that ship possible to create an art. An art which is a soutful melody, sweet enough may be strike rhymes in the heart (more of people around us and brave enough to bring truth to surface!!

डमीदवारों को इस माग में लिखना मना है। Candidates must not write on this margin

Space for Rough Work a AI is overcoming our mental limitation but 1) - Letters by AI pioners about threats of AI generative AI & okus ②→ AI in present won (1) -, connecting / Thesis States Des AI Grased on vest and Mental Limitations of humans + memorising, learning, expan knowledge, linited exposure. medical sciences - Alpha Ald Describing compounds > p reduce Environmental > UNEP- Situational Analysis using De Machine Learning in worl chess - & Ruearch publications; judiciar why don't we do to anything for human stupidity ?? (9) 10) o Hans Niemana Vs - Magnus Carlein you man W AI in the High Modernism Not Blurred GPEG Vs. Attas Atlas Model (n) 12) Depletion of language warning of Stephen Hawking (B) Taiwan I use in Election; Dupt 16 cp canaty's Poems Reforming our progress of Ad , at hamenety and the world to come netal Horizon sophia

Sindhu Tai xample] > not contentral 1) Neil Arnshong + Space for Rough Work 2) scientific explanation of human existence - Big Bang Therry and compounds 3) Bibrojical explanation - Henchboring organs (4) Balance of the universe 1 Annihic explanation of life Difference between timer existing and wring. ( C.P carafy poem Ithaha > pursuit of journey. (a) colorful wat of life > varied colors enishing beginning blashing dirently (a) These who make changes go beyond the toplain existence. So Einstein thing swing and for existence. So Einstein this mistence and sundhue Tais

(b) he should know how to live tipe - 49 of sundhue Tais

(1) sciences onen welich this and wind sundialis 11) sciences even beliefs this art of 40 d. Sighal 1) Appreciating each day - Hellen Keller 50 known as EQ -/ EI. Attendates (19) Science of Emotions > Santoli Ayaj , Each day being achallenge.

(18) Living life as a Roller waster , Soldier , soldier , soldier , with is (6) Science is often equated with static being to it is a dynamic agency. As kunicidains (1) Existence is also an ant; ant of intricacies; art 12 Moreoner ut is impotant ( Living an actual Art) using science for life of others

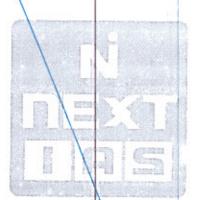
## *NEXT IRS*

जम्मीदवारों को इस भाग में लिखना मना है। Candidates must not vyrite on this margin



### **DEXTIPS**

चमीदवारों को इस भाग में त्रिक्षना मना है। Candidates must not write on this margin



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