TEST CODE: 32071

68573_32071_1910077402_(2020-12-06 08:48:43)

FIAS – 2020 – MGPEA1

ForumIAS
ACADEMY

GENERAL STUDIES

Name Of Candidate	SOURABH K		
Email Id.		Roll No.	7301533
Mobile No.		Date:	1/12/2020

Time Allowed: Three Hours

Maximum Marks: 250

INDEX TABLE		
Q. No.	Max. Marks	Marks Obtained
Q.1		
Q.2		
Total Marks:		

Remarks:

INSTRUCTION

1. Do furnish the appropriate details in the answer sheet (viz. Name, Email, Roll No, Mobile).
2. There are TWO Sections. Each Section has TWO topics printed in English and Hindi. You have to write on 1 topic from Each part.
3. One question in each part is compulsory.
4. The number of marks carried by a question/part is indicated against it.
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.
7. Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.

Start Time|	**End Time|**
Mode Of Examination :	**Online** ☐ **Offline** ☐
ECN CODE:	**Evaluation Date:**

Scanned with CamScanner

MARKING SCHEME

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

Parameters	*Very Good*	*Good*	*Average*	*Poor*
Coherence				
Language				
Handwriting				
Pre-writing				

Very Good	*Good*	*Average*
120 and above	100-120	Below 100

Scanned with CamScanner

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

UPSC

इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

68563_32071_1910077402_(2020-12-06 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

SECTION-A

Q. Digital Education : A Revolution; Future of Learning;

"Technology will never replace great teachers, but technology in the hands of great teachers is transformational".

- George Couros

Digital Education is the innovative use of tools and technologies during teaching and learning and is often referred to as Technology Enhanced Learning or simply e-Learning. The 21st century has been rightly termed as the digital era. Internet has brought about significant changes in all spheres of modern life. Experts rightly say that data is the new oil of this generation. The teaching sector has certainly got ignited through the internet.

Gone are the days of blackboards, chalks and dusters. Today, it is about smart boards, online classes and presentations, and electronic submissions. It is an encouraging scenario

amBlitz
Scanned with CamScanner

(Please do not write anything except the question number in this space)
कृप्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।
UPSC
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin
68573_32071_1910077402_(2020-12-08 08:48:43)

as many educational institutions have gladly adopted this method thereby bringing a colossal change in the teaching-learning system.

In this digital age, educators are changing their requests from 'submit it to me' to 'share it with me'. And everything happens in a jiffy. Digital learning is gaining a lot of attention these days. India has atleast 450mn children in the 1-18 age cohort. Urban areas have good quality access to education in the form of choices to schools & colleges, well-knit transportation & communication networks, good infrastru-cture at schools and colleges among others. It is the rural areas which lack in the infrastructure as far as the schools are considered and the kids for higher education have to travel to towns & cities. It is for these students digital learning will reap enormous benefits. This has been

amBlitz
Scanned with CamScanner

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

UPSC

6857382071_19100702_102_2020-12-06 08:48:42
Write Questions (DO NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
नहीं लिखना चाहिए
Candidates must not write on this margin

further helped by the penetration of data services to the most deep pockets of India, thanks to the cheap services available. This solves the problems of archaic teaching methods, disproportionate teacher-student ratio, dearth of teaching materials etc.

In many rural pockets of the country, patriarchal mindset among people have prohibited girls from getting educated outside homes. In some other places, eve-teasing and bullying are the activities which deter parents from sending their girl children to schools & colleges. These obstacles are easily solved by incorporating digital education means. Such students can now enrol to digital courses for education and aim further in their lives. The quantum of this social structural change in unfatho-mable. Thanks to e-learning!

amBlitz
Scanned with CamScanner

write anything exept the question number in this space)
कृप्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin
6857353_2071_1910077402_(2020-12-06 08:48:43)

The crisis during the Corona virus pandemic has exposed the loopholes associated with the traditional offline learning and has effectively proved how digital learning methodologies have helped learning be sustainable. Access to online and recorded classes from any place, writing assignments and submitting them online, discussions on learning platforms and getting certified have proved that no matter what, Education System has to run & perform.

Times are changing due to changes in technology. Kota, New Delhi, Hyderabad & the like places where coaching centres once thrived significantly are now the places which are just optional. Many institutes have come up with LED & OLED screened tabs with pre-loaded content for learning respective courses, exclusively for such students wanting to leave their home towns for study purposes. In this way,

Scanned with CamScanner

write anything exept the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।
UPSC
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
चाहिए
Candidates must not write on this margin
GS_73_32071_1910077402_(2020-12-06 08:48:43)

digital education is capturing the nations attention today.

DIGITAL EDUCATION : India's new future:

→ Add this before Making it successful:

"I dream of a digital India where quality education reaches the most inaccessible corners of the country."
- Shri Narendra Modi

Digital learning is not bounded by the traditional classroom-type of teaching where each class spanned a fixed duration. It has now given both the students and teachers the freedom to choose their place, according to the convenience.

Digital learning has also tackled the problem of internet connectivity by offering the feature of downloadable course materials & videos, thereby providing the students the freedom to choose their time for classes.

Scanned with CamScanner

write anything exept the question number in this space)
कृप्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin
6857_32071_1910077402_(2020-12-06 06:48:43)

It is no longer necessary for students to buy books costing hefty amounts. There are several educational platforms offering open-source materials, providing a healthy learning ecosystem. Students also learn subjects off-syllabus as a hobby.

Digital educational algorithms also translate languages to the preffered language of the learner in most of the cases. A student in Kohima, interested in Dark ages of Europe can now access the content and learning videos from the University of Lyon, France, from the best Professor. This feature also enormously helps the rural students of India facing difficulty to understand English.

There are also many certification courses that have gained momentum. For previously underserved subjects like Cyber-security, Mechatronics, Cosmology etc,

amBlitz
Scanned with CamScanner

there are specific universities & registered private institutions offering certification courses. Ivy League universities like Yale and Stanford have provided online certification on courses in Business Management & Data Sciences to many students residing in the remotest pockets of the country.

There are atleast 10 mn adult population who annually enroll for the remote courses in India. Most of these people are from our neighbourhood with some from Middle East, Africa & European nations. UK-India Business Council reported that India's e-learning sector grew by atleast 18-1. b/n 2014 & 2018.

The online Yoga & music classes, language learning, one-to-one private class setup among others have become a huge hit with the European & American population especially. Enthusiasts from India

Scanned with CamScanner

privately engage with the foreign population to teach them various co-curricular knowledge for an upfront fee, making it an additional source of income. Self-learning is another new found love for students due to easy access to learning.

Digital learning has also made Research work simpler, specifically in the field of Medicine, Information technology & Space. With information & result easily available on the internet, one can continue the research work without hassles. Research Scholars can also easily prepare their thesis or dissertation.

Digital learning also effectively reduces the burden for paper work & maintaining them separately. If exams are conducted online, teachers need not carry bundles of answersheets. Evaluation can happen quickly & results declared swiftly with transparency.

Scanned with CamScanner

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

Candidates must not write on this margin

68573_32071_1910077402_(2020-12-06 08:48:43)

MAKING DIGITAL LEARNING SUCCESSFUL:

Although digital learning has been identified as one of the popular para-digms & accepted globally, many in India are not aware of it. Spreading awareness among the masses, especially parents is the need of the hour for successful learning.

Also, Computer education should be made a compulsory part of the curriculum in every school. Students should be computer-literate along with teachers for the successful working of digital learning.

National Knowledge Network is a good step by the government to provide a unified high speed network backbone for educational institutions in India. SWAYAM scheme tries to bridge the digital divide. DIKSHA portal serves as the National Digital Infrastructure for teachers. Operation Digital Board aims to set up

amBlitz
Scanned with CamScanner

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

UPSC

68573_3247_1910077402_(2020-12-09 08:48:45)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

one digital & interactive board per classroom in government schools by 2022. Digital India being the flagship scheme of the govt aims to transform India into a digitally empowered society. Formulating a charter with regard to Digital Pedagogy is in the best interests of stakeholders too.

Also, in order to make e-learning all the more interesting, it is advisable & worthy to introduce new diverse courses with which students are attracted.

DIGITAL EDUCATION : LIMITATIONS

The infrastructure for digital education is expensive to many. Flexibility of place and time can lead to a bad culture of procrastination & offbeat.

Also, with every information in the finger tip just by a click on the mouse, learners are losing creativity to think & explore.

Another associated issue is with regard to security architecture. Many interactive digital learning

amBlitz
ForumIAS
Scanned with CamScanner

platforms lack security protections and are prone to trojans & malwares, including cyberattacks. Also, there might be development of pervert ideas in the minds of students due to diverse content online.

→ Add Lab & practical sessions can't be held.

Mental health can also take a toll so as physical health in the form of eye pain & head ache; Moreover, the online learners are to miss the traditional classroom experiences involving friends & teachers, jokes and joyous moments, punishments for wrongdoings, games during breaks & physical exercise curriculam so as cultural & extra-curricular activities.

FINAL WORD:

The Digital learning which has been introduced a few years ago has been graciously received by the Indian mass. A lot has been achieved in this area, but still the journey has a long way to go. Teaching & learning community has to take advantage of

amBlitz

Scanned with CamScanner

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

UPSC

6857_32071_1910077402_(2020-12-06 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

this technology & arise up. This is because, it is not that we use technology, but we live technology. The modern-day education is to ascend many more steps further & bring an enormous change in the society.

— x —

ForumIAS

amBlitz
Scanned with CamScanner

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

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

must not write on this margin

68573_32071_1910077402_(2020-12-26 08:43:43)

SECTION-B ;

1. SCIENCE WITHOUT CONSCIENCE IS BUT THE RUIN OF THE SOUL;

"Society rests upon conscience, not Science"

-Henri Frederick ;

It was the autumn of 1962. The world held its breath as the Cuban Missile Crisis unfolded. The Soviets had their missiles placed in Cuba to fight the USA. The world was at the brink of a disastrous nuclear war. But, it was the conscience of the US President John. F. Kennedy that saved the humanity that day. USA had all Science behind it, but it was the Conscience that negotiated the way out.

Science is the emperically organized body of knowledge which is verifiable. Conscience is the inner voice of a person dictating whether ones actions are morally right or wrong. Conscience is a source of ethical guidance which is always value positive. Science, on the other hand explains us the law of nature & is value neutral.

amBlitz

Scanned with CamScanner

write anything except the question number in this space)
कृप्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें
UPSC
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
685723_12071_1910077402_(2020-12-06 08:48:43)
इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

SCIENCE WITHOUT SOUL :

What can be more saddening than the ongoing crisis of climate change? Anthropogenic reasons have made this world so suffocating. Due to indiscriminate industrialization, lot of harmful gases are released, exacerbating global warming. Earth is warming, glaciers are melting, corals are getting bleached, many creatures are losing out on habitat, sea-levels are rising rapidly, there is a host of climate refugees, displaced and distorted. This is a clear example of what science can do, if used recklessly. The ongoing sixth mass extinction is a case in point.

Small islands are getting submerged, many coastal cities are already flooded, Bramble Cay Melomys became the first mammal to become extinct due to human-made climate change. Global wind patterns are changing and agriculture is taking the biggest toll, burdening

IFOrum IAS
amBlitz
Scanned with CamScanner

the lives of already poor farmers in many underdeveloped & developing nations. Humans might be the most intelligent species on the planet, but if not for conscience, this intelligence is a disaster in disguise.

The mining hazards are the best examples of what we can call the mindless application of science. Coal mines have accounted for the highest number of casualities due to accidents in mines in India. The recent case of Meghalaya's rat-hole mining, especially employing the children is a grave warning & reminder to the mankind to stop being so cruel.

Also known as the Gulf of Mexico oil spill, the Deepwater Horizon Oil Spill is considered the largest spill in the history. It killed more than a million birds, animals & fish among others. This should actually make us think to find out our actual purpose of existence.

Forum IAS
areBlitz
Scanned with CamScanner

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

UPSC

68573 32071 1910077402 (2020-12-06 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

"The saddest aspect of life right now is that science gathers knowledge much faster than society gathers values"

- Isaac Asimov;

The cold war that ensued between the United States of America and the USSR took an ugly turn with the incoming of 'Arms race', the repercussions are being felt even today. Arms have evolved from guns and missiles to nuclear bombs. Just before the beginning of this race, world had witnessed the nuclear bombing of Japan, exterminating lakhs of innocent lives by USA & its allies. What can be more cruel than this episode? Certainly, science can never justify the conscience-less actions.

Today, the ongoing fight in Syria & Yemen with various nations supporting the favoured nations over geo-political concerns brings out the grim message that the world

amBlitz
Scanned with CamScanner

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

UPSC

6857232071_1910077402_(2020-12-06 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

doesn't care about humanity and are making human lives a big joke. The Houthi rebels in Yemen backed by Iran have unleashed mass violence in retaliation to the Yemeni govt's actions, backed by Iran's geopolitical rival Saudi Arabia. Airstrikes have damaged hospital infrastructure, roads, water supply & sanitation. Coupled to this is the worst Cholera outbreak in the nation, prompting the UNO to call the situation in Yemen, ~~on~~ the worst humanitarian crisis in recent times. All this is due to the abuse of Scientific power without conscience.

Martin Luther King Jr rightly says that our scientific power has outrun our spiritual power as "here we have guided missiles & misguided men."

Gandhiji once said that if machines replaced men's work in monotonous working areas, it was not a problem. Problem arose if machines replaced men in their creative working sphere. Today, technology is chiefly replacing human labour, in all spheres of work life. Scientific

amBlitz
Scanned with CamScanner

write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।
UPSC
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the answer is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)
उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin
6855532071_1910077402_(2020-12-06 09:48:43)

inventions like robots & artificial intelligence have threatened humans of their jobs. This clearly explains how science can be soulless.

Science in the very act of solving problems creates more of them if humans do not respect mother Earth. Chernobyl nuclear disaster is considered the world's worst nuclear disaster. Nuclear technology till date figures among man's greatest feat in the application of Science for productive outcome. But, it never considered human lives at the core. This gets substantiated by the massive amounts of radiation which escaped the nuclear plant & wreaked havoc in the Eastern Europe instantly exterminating atleast thousands. This proves that there is no room for science negotiating with conscience, rather Science must listen to conscience.

Similar was the disaster caused by the Union Carbide gas leak which killed thousands in India's Bhopal city. The leak also contaminated the drinking water supply of the city including the soil.

amBitz
Scanned with CamScanner

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

UPSC

68572_32071_1910077402_(2020-12-06 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

The great smog of London was mystery for years. Indiscriminate burning of coal for the purpose of thermal energy released huge amounts of poisonous gases, predominantly sulphur-di-oxide contaminating the air. In 1952, London came to a total halt. Experts estimated the death of 12,000 people & hospitalization of 1,50,000 people. Hence, without conscience, mankind has no future.

The rape of conscience through scientific developments like logging, cattle ranching, timber lumbering & constructing roads has destroyed the lungs of the Earth, the Amazon forests. Coupled with this issue is the pathetic state-led developmental agenda of bringing down the biodiversity-rich forests & displacement of the tribes on a large scale, losing their habitat. This clearly shows that the scientific policies of the state without a touch of ethics can be detrimental to the whole mankind.

Scanned with CamScanner

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

UPSC

6852392071_19100774O2_(2020-12-09 08:48:43)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

The most ardent propounder of Science, Mr. Stephen Hawking once said, "Science is not only a disciple of reason, but also one of romance & passion'. And really what are these two without some kind of soulful conscience in them? He said, "We are just an advanced breed of monkeys on a small planet of a very average star. But, we can understand the universe. That makes us special". And nothing special survives without moral responsibilities that keep the soul pure.

Can Science and Conscience Live in Harmony?

Science and Technology has made man's life so easier and comfortable. But, the stakes associated in several spheres are huge. It can be beneficial or detrimental to the planet Earth. So, each and every scientific advancement needs a clear vision, planning and approach. Questioning at each stage is the way to manouvre the confusing times during scientific advancement.

amBlitz
Scanned with CamScanner

The social community that benefits from science should only decide if science can be ethical, and carry out advancements. Confusions arising out of Biotechnological aspects of genetic engi-neering, cloning and three-parent babies among others, clinical trials of vaccination among under-developed population, issues regarding cyber-space and frauds, development activities from a rich nation in a poor nation's soil etc. can be dealt by understanding the aftermaths & miscalculations of such a development through repeated questioning phase. Hence, the answer is a 'Yes' that Science and Conscience can certainly exist in harmony only if man wants them to. An ethical drive is the necessity of the hour. Scientific-Social Responsibility serves as the beacon in associating scientific knowledge with social conscience. Only then, the true result of science is achieved.

amBlitz
Scanned with CamScanner

(Please do not write anything exept the question number in this space)
कृप्या इस स्थान पे प्रश्न संख्या को अतिरिक्त कुछ न लिखें।

UPSC

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

6857332071_19100774102_(2020-12-06 08:48:43)

Answer in Question(s) in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

Charles Darwin argued that morality should not be passive during the understanding of nature. Science is the perfect blend of nature and morals according to this great naturalist. It is high time we follow our progress in his footsteps.

—— x ——

AForumIAS

Scanned with CamScanner