

TEST CODE : 3 2 0 3 6

FIAS - 2021 - Essay Test #6

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**ForumIAS**

ACADEMY

**GENERAL STUDIES**

|                   |                    |          |            |
|-------------------|--------------------|----------|------------|
| Name Of Candidate | G.V.S. PAVAN DATTA |          |            |
| Email Id.         |                    | Roll No. | 1910075927 |
| Mobile No.        |                    | Date:    | 20/06/2021 |

Time Allowed: Three Hours

Maximum Marks: 250

| INDEX TABLE           |            |   | INSTRUCTION  |         |
|-----------------------|------------|---|--|---------|
| Q. No.                | Max. Marks | Marks Obtained  | <p>1. Do furnish the appropriate details in the answer sheet (viz. Name, Email, Roll No, Mobile).</p> <p>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.</p> <p>3. One question in each part is compulsory.</p> <p>4. The number of marks carried by a question/part is indicated against it.</p> <p>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.</p> <p>6. Word limit in questions, if specified, should be adhered to.</p> <p>7. Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.</p> |         |
| Q.1                   |            |   |  |         |
| Q.2                   |            |   |  |         |
| Total Marks:          |            |   |  |         |
| Remarks:              |            |   |  |         |
|                       |            |   |  |         |
| Start Time            |            | 4:30 PM   | End Time   | 7:30 PM |
| Mode Of Examination : |            | Online <input checked="" type="checkbox"/> Offline <input type="checkbox"/> |  |         |
| ECN CODE:             |            | Evaluation Date:  |  |         |

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## MARKING SCHEME

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

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

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



## SECTION - A

1. Fourth Industrial Revolution: Greater Promise Or Greater Peril?
2. Cyberspace – The fifth arena of warfare.

CYBER SPACE – THE FIFTH ARENA OF  
WAR FARE

These are the following headlines  
that appeared in many daily newspapers  
in recent times.

CYBER CRIMES ON RISE THROUGHTOUT THE  
WORLD

INDIA BANS CHINESE APPS

ISRAEL VS IRAN – A CYBER WARFARE?

ALLEGED RUSSIA MEDDLES WITH RECENT  
USA ELECTIONS

A GREAT THREAT TO MANKIND – CYBERSPACE

These are only few to name many.



The aforementioned headlines are becoming a potential reality in the present day world. With high dependence on cyberspace, Industrial revolution 4.0, IoT, AI etc, our threat in the cyberspace is huge.

Countries are waging war against each other not physically but in the cyberspace. This is the growing trend. This fosters us to the emerging fact that -

"CYBERSPACE - FIFTH ARENA OF WARFARE"

In this essay, we will examine what is cyberspace? Why is <sup>it</sup> an arena of warfare? What are several cyber war instances? What are their impact? Indian condition of cyberspace & try to provide some solutions to tackle this. Let's start.



Cyberspace is potentially a three dimensional virtual space that is connected through internet ~~through~~ among various devices. With the advent of WWW (World Wide Web), concept of CYBER FIELD has come into picture.

Although, it came in the middle of 21st Century, cyberspace has become a revolution of its kind among countries.

William Gibson termed cyberspace as a CONSENSUAL HALLUCINATION. Everything appears

right upfront until its loop hole is exposed.

We give access to everything on cyberspace.

So, consensual hallucination is apt for it.

Then why is it called as war?

War is a group of battles which involve destruction among the parties involved.

In the physical warfare, physical Infrastructure, men etc gets destroyed. But in cyberwarfare, desired result is got by not direct involvement of physical parties but through cyber space. Critical Infrastructure, Equity, Stocks, power grids etc get destroyed. So, cyber space can be an arena for the warfare.

Computer technology has made it possible for people to make their own sphere of functioning. Digital space doesn't exist outside the world of computers. People share information, photos, videos, financial virtual assets like Bitcoins, money etc proving them get affected by cyber wars. Our over dependence on the cyber space is also a potential reason for warfare.



The concept of Yin & Yang is quite relevant to discuss here. It teaches us that within the greatest good lies the seed of the greatest bad & vice versa. It is <sup>not</sup> the Invention but Intention with which it is used to make it situational good/bad.

There are several instances where Cyber space is used as a warfare. Especially countries growing their cyber knowledge, growing Nationalism, dominance of some countries are some of the reasons for warfare.

The so called warfare which can be termed as Web-War I was started in 2007. When Estonia tried to relocate a Soviet-era statue from its capital Talinn, Russia launched cyberattacks on Estonia.

The so-called Distributed Denial of Service (DDoS) rampaged entire Estonia & slammed several websites causing great damage like security leaks etc.

Another instance can be found between Israel & USA (Vs) IRAN in 2009-10.

A virus called as STUXNET caused physical damage to various underground physical nuclear power grids of IRAN.

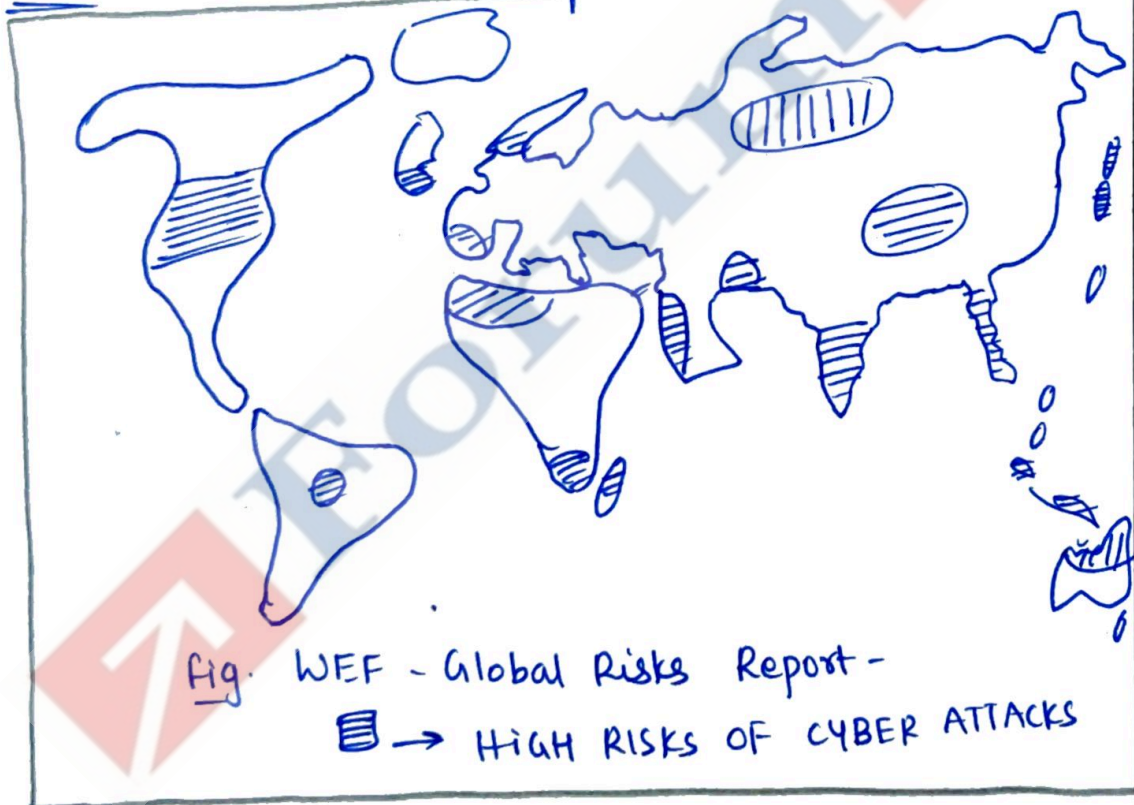
Upto now, no one knows who was the cause of Stuxnet.

Same year IRAN retaliated with operation Ababil which destroyed many USA banks & USA incurred huge losses of billion of dollars. In 2017, VAULT-7 virus developed by CIA (USA) breached privacy of millions



of users & stole their data. This was later whistleblowed by Wikileaks. Present cyberwar between Israel & Iran is also an example.

This is the following map based on WEF - Global Risks Report.



After seeing these scenarios, what makes cyberspace so easy to wage wars against each other is a pounding question. Anonymity,

novelty, overdependence on cyber space, lack of legal frameworks etc can be the reasons for easy attacks.

Presently, Geneva Convention is present for ~~a~~ warfare among any countries. But, it doesn't involve many areas of cyber crimes. Many advise Geneva Convention 5.0 can be solution. There is no common International legal frameworks to deal with the cyber warfare. Let us see Indian scenario.

### INDIA & CYBER SPACE

India recently banned chinese apps stating many security issues. Even in India, there is no effective law to counter the cyber mal-activities. Presently, IT Rules, 2000 are the guiding light.



Recently government brought many programmes ~~etc~~, laws such as CERT-In rules, 2013 etc but it may not be sufficient to tackle such menaces.

China tried to wage a cyber war with us through manipulating KUNDANKULAM Nuclear power project. But India safeguarded with its Intelligence. India is in an active position in managing cyber wars. Yet the impact can be found in many fields.

Political Instability as seen in the contention between USA & RUSSIA, environmental damage can be a result of Nuclear outburst. Economical damage in the form of crash of stock markets is obvious. Critical Infrastructure like Railways, Telecommunications may be damaged which poses us great risk

What is the way forward to deal with the situation is a thought provoking exercise one does. Stux Rager has pointed out that a group of persons developed a common international law in cyberspace namely Talinn Manual. This can be improved & implemented. INTERPOL must be strengthened.

India must also take regular steps to ensure it is least impacted by these cyber wars. The present programmes & schemes include establishment of Cyber Surakshith Kendras, Cyber warrior police force, Regulator or I4C (Indian Cyber crime Coordination Centre) etc are the forward steps to ensure cyber safety. CERT-In is playing an important role in safeguarding the infrastructure against potential cyber threats.



To conclude, cyberspace as a clear 3-D virtual space has high potential of threat posed to human mankind. As seen in ROBO movie, one can imagine the devastating effects the technology can pose besides being beneficial to the mankind.

As impacts of cyberware have been manifold, one should be careful enough to not being drawn into the trap of cyber attacks. Computer technology has made us depend on it 24/7 x 365 days which prone us to severe threats which are unavoidable.

Countries need to be pro-active & determine laws which deal with cyber-warfare effectively. Before that, prevention is better than cure. Avoiding cyber wars is the best policy.

India can also follow certain measures like mentioned below. National Cyber Security Policy, 2013 which seeks to build secure & resilient infrastructure should be strengthened. Regular auditing of government websites & eliminating false websites can be one solution.

Training & awareness programmes among especially youth like "Security Education & Awareness project" should be implemented in letter & spirit. India can adapt global best practices like USCYBERCOM, FIVE EYES project on cyber crime.

Implementing Gulshan Rai Committee Recommendations will help us further improve our cyber security. India may sign BUDAPEST Convention to strengthen the security policy. India can endorse Paris call for trust & security in cyberspace, 2018.



A special force called Digital Armed forces can be created. RBI should consider regular auditing of banks & their security features. As India is becoming & aspires to become \$5 trillion economy, potential cyber threat is possible to derail it. Hence, India needs to <sup>be</sup> pro-active & affiliate with its allies and use platforms like SAARC, ASEAN, BRICS etc to raise issues about the cyber security.

Effective implementation & commitment will make "CYBERSPACE - 5th ARENA OF WARFARE TO CYBERSPACE - 5th ARENA OF WELFARE". It also endorses our commitment of "VASUDHAIVA KUTUMBAKAM".

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. Our deeds determine us as much as we determine our deeds.
2. Rights that do not flow from duty well performed are not worth having.

1. OUR DEEDS DETERMINE US AS MUCH AS WE  
DETERMINE OUR DEEDS

It was march 2018. Australian cricket team was playing against South Africa in Capetown. On the ~~bx~~ big screen, a player of Australia was shown using sandpaper to shine the ball which was illegal.

Later, when an enquiry was conducted, 3 players admitted their mistake. They were Captain Steve Smith, vice-captain David Warner, player Bancroft. All 3 were involved in Sandpaper gate scandal.

They were banned by ICC, Cricket Australia board. They were called by names CHEATS &

wherever they went. Among them, Steve Smith was the topmost batsman with 1 Ranking. He was known for his hardwork, patience, Innovation, Courage, leadership etc.

But One instance has changed everything. His actions are being questioned now. Eventhough he was determined for his deeds through hardwork, innovation etc, because of his action/deed, he is named as a cheat, the result.

This incident will foster us to the fact that "OUR DEEDS DETERMINE US AS MUCH AS WE DETERMINE OUR DEEDS". In this essay,

we shall see what are deeds?, How our deeds are determined? What is the result of good & bad deeds? How to stay firm on our deeds? Lets see



Deeds are our actions. Determination of deeds come from our core value system.

This contains several virtues besides integrity, honesty, Inherent goodness, compassion, altruism etc.

Deeds (or) actions also, are the result of various external forces such as socialisation, unavoidable situations, life threats etc.

The result of our deeds also depend upon the type of action we encountered to.

Core values presently described have their roots in many historical evidences. Both International history & Indian history provide examples for us to our statement.

Lets consider Adolf Hitler; He was born into a poor family & faced several hardship. He used to be battered by his father. All these changed his value system. but He was well known for

his courage & leadership but has a bad mark of Holocaust & <sup>responsible for</sup> World War-II. His experiences in childhood shook his value system. Thereby his determination of patriotism, nationalism was undermined by his deeds.

On the other hand, Nelson Mandela who faced severe hardships worse than Hitler emerged as one of the greatest human beings on the earth.

His sufferings didn't shake his value system. His honesty, sympathy, empathy, inherent goodness was responsible to his deeds & he reciprocated same in his deeds.

Similarly, Grandhi's determination of his acts (or) deeds was derived from the concept of truth, Non-violence. Irrespective of many hardships, he didn't leave these qualities & his deeds determined him as "Father of our nation".



Having many ideals from Gandhiji, our constitution & political systems have determination of social justice, free & fair elections, protection of democracy, correct implementation of fundamental rights etc. These are inherent for any successful functioning of democracy.

But, presently, we can witness many cases of infringement of fundamental rights, criminalisation of politics, vote bank politics, malpractices in elections like rigging, booth capture, violence etc. These are the result of compromise of core values of constitution by our politicians, leaders etc. Even though our India was is determined for greater good in these aspects; its actions (BY POLITICIANS etc) are taking India into a bad lime light.

The statement is also apt in the field of environment as well. For the sake of

development of human kind & our love towards technology, industries, skyscrapers, electronics; we are destroying our environment. Here, our determination of Human development is more than anything. But, we are witnessing increase in GHG, glacier melts, sea level rise, severe cyclones etc. In this way, nature is making us realise the deeds which are determining our human thinking towards it.

After seeing all these, one more thought pops up. That is - "whether only our deeds determine us? Nothing else can determine us? If so, what it is?" Let's see.

In epic of Ramayana, King Dasharatha sent his beloved son, Rama to forests. His deed as father was highly unjustifiable. But ~~to~~ the reason of his deed was because of the



word given to Kaiki. Here we can be find a dilemma between Word/Promise (OR) Deed done by Dasaratha. One finds it so difficult to choose one as correct. So, based on core values, one's character is determined. Many authors applaud Dasharatha for his integrity in keeping his word/promise.

Similarly, India supports anti-terrorism & condemns severely any terrorism activities. Our determination is to catch any terrorists, punish in the international court of law. This deed (or) determination comes from our love towards peace, altruism, safety & security.

But in 1999, when a flight was hijacked by Taliban, we had to release 3 dangerous terrorists including Azat Masood. Our deeds here are not determining our

Value (or) India as a whole. But it was the genuine situation where we had to compromise some values for greater good.

Similarly, as an administrator one has to be highly law abiding, follow rules & regulations etc. When a ~~undeserving~~ old man with poor condition comes to an administrator for pension; eventhough he was not eligible for a particular scheme, On humanitarian grounds, pension can be provided.

This deed doesn't determine him as such because he has given importance to greater service rather than merely following his law. So, after seeing this; Our determination to a particular deed rather than the deed as such is much greater & it is dharma. This is a good deed. So, what are good & bad deeds?



Good deeds are works / actions which follow Dharma. They determine ~~us~~ about our thinking, our values, our inherent effort to follow good. What benefit we get if we follow the deeds according to Dharma? Let's see.

Let us consider example of our India in the international sphere. India is the main proponent of Nuclear Disarmament. This is because of ~~his~~ her determination for world peace. Because of this India's Nuclear doctrine contains several policies such as "NO FIRST USE" etc. This deed also determines India as a good country & a responsible country. Hence, our partners, some neighbours, countries like Australia, Germany, Japan etc are supporting our membership to NSG, UNSC etc. Here, our deeds determine us as much as we determine our deeds.

So, both our deeds & our thoughts  
determine us equally as much as we  
determine them. Our actions & our thoughts  
which include core values have to be  
synchronous. Or else any one may be  
compromised.

If compromise ~~was~~ is for greater  
common good it is okay to be done. If not,  
one will suffer from his clash of conscience,  
public mistrust, penalties, punishments etc. The  
doctrine of Karma also emphasises the same.

When our actions (or) Karma is not  
according to Dharma, we would be projected  
as a person with no social integrity. It is  
very much relevant in the sphere of  
administration & policing systems.



As Nolan principles, Civil Services code of conduct rules etc emphasise & try to impart core values of civil servant, the administrator should imbibe these values into his soul & body. This helps him for greater good. His/Her actions will determine him as a good civil servant if he follows the principles.

To conclude, our deeds are the result of many which include internal core values, external pressures (or) factors. We must develop our own conscience to decide which is wrong & which is right in performing our deeds. As they largely determine us, one must abide by the rules & regulations of the society.

The good deeds can be learnt & can be internal. Enculturation of moral values can be done right from house from childhood. Telling stories from epics like Mahabharata, Ramayana, panchatantra can be helpful.

Teachers can play a great role in this by many role plays, skits, workshops. Corporates may conduct many workshops to improve work culture, ensuring safety of women, gender equality etc.

Government should also incorporate the values of great thinkers etc into the pedagogy of school framework. New-National Educational Policy -2021 is a forward step. Programmes like Mission Karmayogi refines the administrative setup & helps



administrators build their core values which determine their deeds for greater societal good.

Going by Grandhi's Talisman, we should follow our inherent goodness & conscience for helping <sup>the</sup> poorest of the poor. This determines our actions and action of greater good/service to the poor finally determine us as a nation.

"You were born with the greatest weapon in all nature — the rational, conscious mind"

→ ROBERT GREENE (American Author)

Going by this, using our brain's highest capacity, ~~which~~ we should determine our actions with rationality. This determines us finally being a good Homo Sapien.

## 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