

GS SCORE

IAS MAINS 2019

Roll No. 17403

110

Time Allowed: 3 Hrs.

Max. Marks: 250

Instructions to Candidate

- Both sections are compulsory.
- Attempt one essay from each section.
- Each essay carries 125 marks.
- Write each essay in about 1000-1200 words.
- After finishing the first essay, attempt the next on a fresh Page.
- Any page left blank in the answer-book must be crossed out clearly.

(Examiner will pay special attention to the candidate's grasp of his/her material, its relevance to the subject chosen, and to his/her ability to think constructively and to present his/her ideas concisely, logically and effectively).

Name PRATIBHA VERMA

Mobile No. _____

Date _____

Signature Pratibha Verma

1. Invigilator Signature [Signature]

2. Invigilator Signature _____

Remarks

SECTION - A

1. *A sporting society is always mightier and happier than those which are not.* ✗
2. *The ultimate freedom comprises self-awareness, conscience, independent will and creative imagination.*
3. *The end doesn't justify the means.* ✓
4. *To be beautiful, life does not require to be big.* ✗

SECTION - B

1. *The migration streams reflected progress in the past, they represent distress in the present.*
2. *Corruption has become a national culture in India.* ✗
3. *Industry 4.0 is the biggest game changer of present and future.*
4. *Laws catch flies but let hornets go free.* ✗

Section-A

"The end doesn't justify the means."

In 1944, tired of long and seemingly unending war, United States of America decided to launch a conclusive strike. The war had killed millions, displaced unnumbered families and saw a holocaust. Hitler committed suicide and Germany surrendered. Yet Japan was relentless in murdering and killing. 6th August 1944 became the fateful day that world still remembers. A mighty nuclear bomb was dropped on Japan's land and the war came to a stop. Indeed it did. But a whole nation and to some extent the world community continues to live the horrors of the day. The end didn't justify the means.

One of the greatest proponents of ethics, Mahat-

ma Gandhi said 'Means are as noble as ends'. He chose the path of truth, non-violence and democratic freedom struggle. A deceitful and violent act could never justify a desirable end because it erodes the moral fabric of not just the agent but whole community.

Remarks

good example

but it is

not clear

where the

means ends

and the

body begins

try to indicate briefly what

argumen

the essay would

discuss

more
labour
dimension

Today deceit, lies, oppression, exploitation, and corruption seem to have been normalized in gaining power, position, privileges and wealth. It has become norm to justify these for success, convenience, ease and rights.

Political candidates take recourse to polarising speeches, fuelling communalism and casteism and promise development, growth and protection of interest, to win the elections. But this directly attacks the

(a) social harmony, promotes zinganism and creates mistrusts among community. Now-a-days defection to ruling party is being justified in name of ideological alignment and development, but it betrays trusts of voters & creates a culture of political privileges.

Authoritarian regimes justify their mandate by promising coherent ~~grow~~ economic ~~path~~ growth and unity and integrity. However, denial of democratic rights, political voice and oppression raise a question over the sanctity of the means. China, Philippines, Venezuela, Russia being the living examples of how ends don't justify authoritarian means.

Edward Snowden's disclosure of surveillance program "PRISM" revealed how state employed devious

Remarks

means and created database of their citizen's activity. Thought if the goal was national security, invasion of privacy and violation of basic rights raises questions over legitimacy of such means.

In sports, instances of doping, tampering with cricket balls, equipments and obstructing opponents ~~is not~~ continue to come in light. The end result being success for the athlete and glory for the nation. However, it ignores the principles of free and fair competition, healthy sports culture and creates a notion in youngsters that only this leads to success. The long term impact is seen as increasing culture of cheating in examination, misuse of technology and leaking question papers.

(b)

The Media employs means of shing operations to get insights and disclose hidden information but increased invasion of privacy, disclosure of personal details nullifies the sanctity of the ends. Repeated show of Hardik Patel's personal video & disclosing victim's identity in Kathua case, ^{broadcast of Mumbai operation} can never be justified on the rationale of providing information.

Remarks

Similarly, denying women basic freedom of movement, education and work in order to protect them from public violence is unjustified. Reservation policy as a tool to create social and political equality in society, though ~~not~~ achieved its goal to some extent, but also has created schism in society.

Increasing recourse to protectionism, trade and tariff wars and neo-imperialism with a goal to ~~to~~ protect jobs, domestic industry is ~~not~~ only creating short term successes. And as result abandoning globalisation of economy and truly integrated and common global citizenship.

Similarly Predatory pricing for market growth and cheaper products to consumers is not justified as it leads to monopoly and hampers competition.

The pursuit of bigger growth numbers and creating large economies for reducing poverty has in India has yielded positive results. Poverty is reduced to half from 55% to 28% between 2004-05 to 2014-15. But the means employed has questionable justification. Air pollution, ~~not~~ in cities, polluted

Remarks

section (a) to (d), you have discussed well the instances of valuing ends over means and its consequences. But all these eg are normative. i.e. on what basis we need to avoid such things? Human rights

water & soil in villages, displacement of tribes for creating dams and powerplants raise the question should growth be the ultimate end of economic policy. Globally, greenhouse gas emission, climate change, Amazon deforestation, marine pollution and biodiversity loss are some of the effect of mindless capitalism that created enormous wealth but ignored environment. (d)

Naturally we are forced to ask what leads to this ignorance of by sapiens, that is considered the intelligent species. Despite knowledge of ends side effects why "ends" are prioritized over means. ~~It's~~

It can directly be traced to loss of ethical quotient in modern man. Driven by desire of wealth, success, fame and glory, the wider perception of social impact is blurred. The society is equally to blame that worships success and abhors failure.

Karl Marx said that new model of economy, that is, capitalism is creating alienation in people.

Remarks

root
point,
types of
alienation
was not
reviewed

He stressed upon four types of alienation -
Alienation from work, alienation from others,
alienation from nature and ultimately alienation
from others and self. This disconnects our soul
from mind and decisions become for short term result
gain, individual benefit and narrow gains.

Increasing materialism, individualism
and de-humanization of education system and
economic policy also contributes to this unethical
behaviour.

On the other hand, people simply are not
designed to perceive and imagine all effects their
actions could lead to. Their ability to understand
complex relations between people and events is
limited. Also therefore they are more guided by
their permanent interests rather than interests of
community.

But it does not mean that ends never
justify means. or that good means always
lead to good ends. Misuse of soo Gandhi, who
a pioneer of non-violence gave the slogan of

Remarks

"Do or die" in QWT India movement because he said tolerating injustice is also violence to ourselves. It should be ended with ~~any~~ even violent means.

Therefore violent struggles ~~and~~ ^{and} ~~peas~~ of Jasmine revolution and in Sudan are justified in order to bring democracy. Peaceful protest and strikes for ~~get~~ human rights is equally justified.

The adoption of violent approach in quelling terrorism and harsh punishments for creating deterrence against inhuman crimes are justified for peaceful and lawful social order. 2

Though war is considered unethical but pre-emptive strikes and defensive attacks such as surgical strike post Pulwama is a justified approach in deterrence.

Detention of terror suspects, suspects of extremists ~~to~~ and violent ideologies, and creator of communal hatred is not unjustified

Remarks

In section ① to ③ you have discussed well how not so ethical means can have an ethical end. Here you can discuss Nicolo Machiavelli's theory of

Similarly abortion, in order to save a woman's lives and passive euthanasia in order to end pain of terminally ill patients is not unjustified, though both amount to killing.

Otherwise fruitful and productive, social media is misused for spreading hatred, false news which led to lynching, exodus of north-eastern students from Bangalore etc. Similarly misuse of Internet for privacy invasion, pornography, human trafficking etc. is example of how neutral means could lead to disastrous results.

Therefore it is ~~just~~ not just the ends and means that justify the act but also the actor or the agent. Any Immanuel Kant said that duty is most important determinant in ethicality of the act. Aristotle proposed that virtues of the actor decide the virtuous acts. Those actors who have wisdom, ~~too~~ courage sense of justice and temperance perform ethical acts.

Remarks

The point being raised is not so clear.

Can also discuss why ethical means and ends are required

But it raises the question, does end and means become source of justice. by actors' quality alone? Rightness and justification of act is also relative based on social sanction. The decision, whether means should be prioritized over ends could be based upon the conditions of the surroundings.

The spirit of "Karma yatra dharma artha" should be cultivated in people. In order to achieve it education system and socialisation process should include ethical education, teaching of constitutional morality and democratic values. Institutions should practice balance of power. and "duties" of all individuals should become priority rather than focus on results.

In a nutshell, when in doubt whether to chose end or mean, one should think of Gandhiji's Talisman and focus on weakest individual they know. This will lead to moral overhaul of ^{every} individual and create a just and ethical society, one with the ultimate

Remarks

end of

" सर्वे भवान्ति सुखिना , सर्वे धन्तु
Miramaya.

~~50
125~~

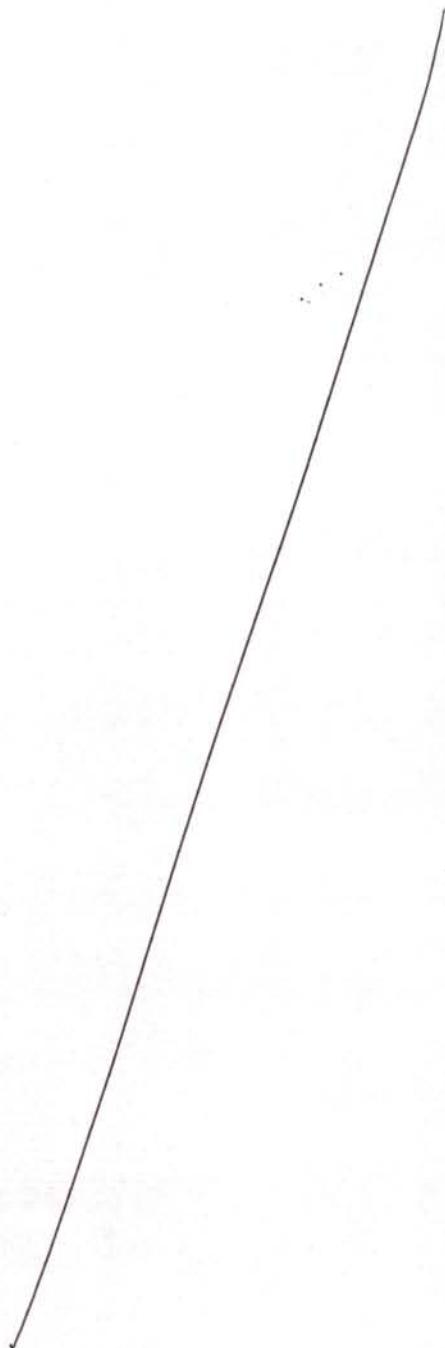
you have discussed

- example of when unethical means are used for reaching the end. and its consequences
- instances when unethical means have resulted in ethical ends.
- Morality - social and constitutional - as a way forward

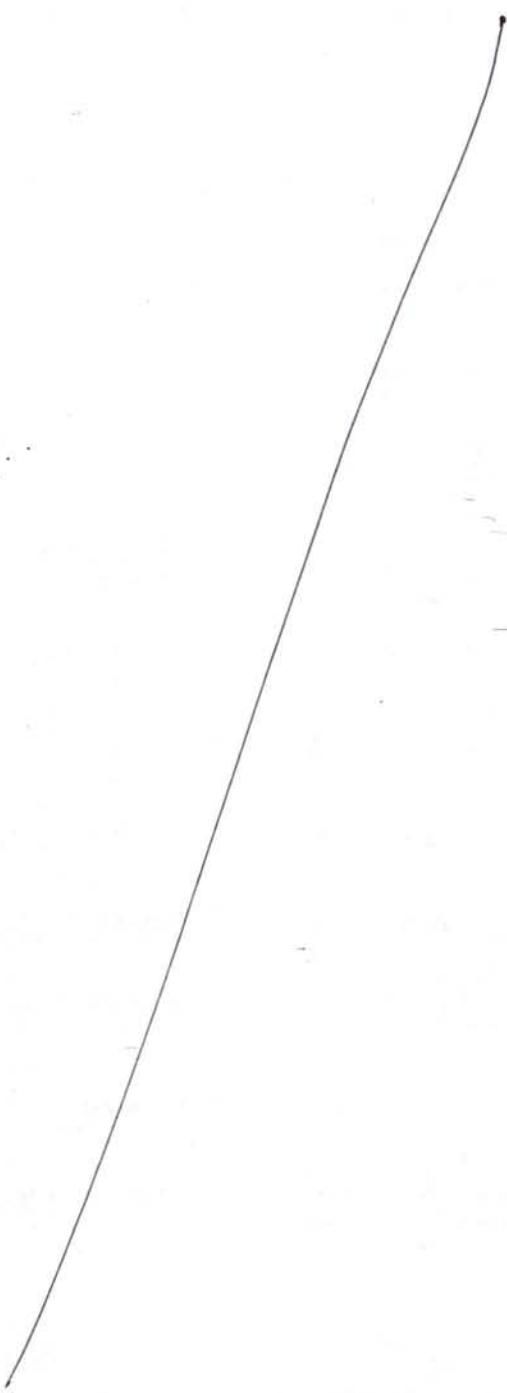
You can enrich the essay by

- also focusing on instances when ethical means led to ethical ends like Indian freedom struggle
- discussing significance of ethical means
 - mutual coexistence
 - tolerance
 - differentiate b/w right and wrong
- way forward can discuss 'ethical pragmatism' - not healthy to focus solely on either ends or means. The approach must be consequential not doctrinal

Remarks



Remarks



Remarks

Section B -

"Industry 4.0 is the biggest game changer of present and future."

Imagine a future where one flies off to office instead of being stuck in traffic, where one thinks of switching off their air-conditioner from picnic spot and it happens with just a button. Imagine if you could just "see" what you felt or thought in your brain.

Imagine if doctors could just design organs in labs for critical patients instead of waiting for donors. It sounds wonderful yet impossible today. But this is happening today, in some as we speak. This is Industry 4.0 and it is indeed the biggest game changer of present and future.

Simply Industry 4.0 is the result of Fourth Industrial revolution. Just as First Industrial revolution in England happened due to introduction of steam power in areas of

energy production, transportation and modernisation of communication, ~~the~~ Industry 4.0 is dependent upon the integration of energy, transport and communication systems so that moving economy, moving people and moving information becomes one and the same.

(2) In simple terms., Industry 4.0 envisages seamless integration of physical, economic and digital arenas that were considered to exist in silos. Today we see sensors embedded in cars, cellphones, watches and computers that just need our touch or fingerprint to send money, or check heartrates. The division between people and digital is disappearing.

With rapid advances in science and technology domain it has become possible to create rapid transit and transport systems with bullet trains and high speed metro embedded in it. In future, maglev, hyperloop, flying

Remarks

In section ① & ② you have tried to define 'Industry 4.0'. Try to focus on use data and machine learning as key to the ~~Industrial~~ revolution.

taxis and cars will become a common sight and more people at unimaginable speeds. It would increase efficiency & productivity by cutting time spent on transport.

Today, high speed communication has ~~more~~ brought people closer than ever before. Most loved ones of the family and friends are just a finger tip away from video calls. In future, 3-D holographic presence and virtual presence could become preferred mode of business meetings, and international conferences. Rapid advancement in 5G, and Internet of things is enabling machine to machine communications and creating an ecosystem of continuous and seamless monitoring and dialogue. If it is increasing logistical efficiency and reducing stress of and worrying about whether one switched off the light or not.

The applications of these technologies are visible in plans of Smart cities, Digital India and smart manufacturing with

Remarks

Zero effed and zero defect. Therefore industry 4.0 is truly becoming a game changer in present.

Blockchain technology ~~and~~ are promising safe and secure financial ecosystem that could become key to financial inclusion of all, is coupled with mobile telephony. Robotics is becoming increasing relevant in manufacturing, sanitation, transport management and e-commerce. Robots are being designed for carrying out routine police duties in Kerala.

Digitization of official records, data of population and other records has enabled policies such as Direct Benefit transfer, Pradhan mantri Health protection scheme (Ayushman Bharat) to become a reality. In schools, digital boards, e-Pathshala, are trying to bridge the inequality and create productive human capital for 21st century.

In medical area, use of nano technology, and biotechnology in combination is enabling

Remarks

* section (b) to (d) → Repetitive Qs of what Industry 4.0 is. Focus specifically on the significance of Industry 4.0.

targetted drug delivery, cancer detection and tumour treatment easier. It also has applications in water purification and agriculture. Today scientist are attempting 3-D printing of vital organs which could become reality of tomorrow. The health report of individuals gets tracked all day with smart watches creating a trusted early warning systems.

The artificial neurons, "Brainwave" could soon become a reality. It could translate complex human thoughts & memories and store for future. Artificial intelligence could bring a revolution in fields of health, education, policy making, agriculture and create truly smart cities.

The precision agriculture, intelligent transportation, interactive education, elimination of diseases are just tip of the iceberg of Industry 4.0. Globally, with Internet and social media people are ever more connected → culturally, and emotionally. #Me too and #Black lives matter & were global LGBT rights movements. #HeforShe

#Talk to a Muslim , campaigns are creating a common psyche and envisioning a global common citizenship for tomorrow.

Today everyone is a content creator on youtube, influencer on instagram and celebrity on twitter therefore promoting creative imagination, self-awareness and creating a global consciousness.

(d) With advances in material sciences, energy production is getting decentralized and less polluting. Solar cars, solar roof tops are reality today. In future industry 4.0 will increase energy savings, reducing wastage and lowering emissions.

① However, this game could go out of control if not managed well and developed sustainably. Excessive automation and robotization could threaten jobs in factories and offices. People could get addicted to ~~exist~~ virtual and augmented reality. Pokemon go became a highly popular game leading to wastage of productive hours & accidents due to carelessness. It could lead to purposelessness, more

Remarks

isolationism, leading to anxiety, depression and creating loneliness in youngsters.

As depicted in popular culture, Black Mirror ~~and~~ integration with machine could dehumanize individuals and erode their autonomy and privacy.

The ills of internet on individuals are visible in incidents of live streaming of suicides, Blue whale challenge among others where ~~just~~ disastrous ends were adopted for social validation & recognition. Technological singularity could become reality.

The families bear the brunt of these effects. Increasing nuclear families are unable to manage the pressure of work & children. The divorces could increase. The economic & social security of families are at risk due to threat to jobs. The children are the biggest victim of Industry 4.0. They lose both traditional friendship we enjoyed and at the same time exposed to contact and content risk of internet.

In society, anxiety and harmony

could decrease. Industry 4.0 could lead to more concentration of wealth and thus higher inequality, injustice and oppression of the poor. By nature these technologies will be expensive. It is witnessed in digital divide rurban divide and north-south divide even today.

At National level, increasing inequality and negative environmental effects could fuel unrest, protest and violent struggle, if not managed. Mental health could become next crisis. Cyber warfare A digital nation will be prone to attacks. Thus national security will take new dimensions.

Globally, inequality will deepen Advanced economies today will reap the most fruits of Industry 4.0 and control dominate world economies in future, just as today. By employing cyber warfare, uncompetitive they could disable ~~to~~ enemy nation's vital systems; innovation & knowledge could become limited to global north leaving African and

Remarks

Do not
forget
points

3rd dimension
elaborate

(a)

Asian nations poorer and at the mercy of First world nations and technology companies. This inequality could exacerbate migration and terrorism further. Also increased materialism at global scale would wreck wasteful economic models and set back in fight against climate change, thus endangering existence of humanity on earth. (b)

Naturally no one can stop the idea whose time has come. Therefore focus today should be on how to make it a fair game for all. Gandhi guides us even here. He said "Science without humanity" and "commerce without morality" are one of social sins.

Therefore reinforcing humanity & morality should be at the centre of Industry 4.0. To tackle the hyper-speed of capitalist desire to overtake all systems, institutions and laws should be strengthened at both global and national level. European Union is making

²⁴ tremendous progress in this regard - General Data Protection rules, Rules of Road in cyber space and e-commerce laws are guiding legislations.

The development of human capital in education, health & skill domain should become priority to create demographic dividend and create knowledge economy in India.

(2) Sustainable development goals should be kept in centre of policy making to reduce inequality and make fruits of Industry 4.0 available to all.

^{explain?} Ultimately August court's idea of Temple of humanity should be revisited that provides community & consolation to the individual. The creation of lost social bond should be driven by civil society and political leadership.

Remarks # Section ① to ③ discusses way forward well, can also discuss how Industry 4.0 should understand social impacts and its role in this regard.

It should be remembered that it is the people who should direct Industry 4.0 and not other way around. Therefore humanizing the technology is way forward. 3

You have discussed

- What is industry 4.0
- Benefits of industry 4.0
- Consequences
- Humanisation of technology as way forward.

You can discuss

- What were the other three industrial revolutions in brief
- Benefits can include
 - flexibility
 - customisation
 - sustainability
- Consequences
 - cyber crime
 - shortage of jobs
 - issue of adaptation to such tech

Remarks

Remarks

Antithesis → Ends justify means ~~abortion euthanasia / protest / violence & terrorism~~

* Neither both ends & means were important.

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End doesn't justify the means.

Introduction →

- ③ Ends justify means?
- ① Abortion
 - ② Euthanasia
 - ③ Detention

Gandhi's freedom struggle

↳ Truth, non-violence

- ④ Blanks punishments
- ⑤ Pre-emptive strikes
- ⑥ Defensive Attacks
- ⑦ Terrorism
- ⑧ Violent struggles

(Both ends & impact)

① ends don't justify means.

- ① Social → Media → TRP, victim disclo., women → appearance in media & protection, sports → doping
- ② Why ends became more important than means

- ① community deserted
- ② self gain & short term views → butterfly effect

- ② Political → [zingerism, polarisation, communism]
- ③ Reservation angle & society

- ③ Materialism
- ④ Individualism
- ⑤ De-humanisation

- ③ Economic
- ① Protectionism / Trade war
- ② Neo-imperialism
- ③ Malaya, India, Thailand, GFC
- ④ Predatory pricing

- ④ Henry Kissinger → zero interest
- ⑤ Capitalism → Alienation

- ④ Environmental
- ① Growth vs. development
- ② Dam / power plants → displacement / life / safety / damage
- ③ GHG emission → CC
- ④ Materialism → wastage of resources
- ⑤ USA Attack /

Good means disastrous ends.

- Atomic power
- Social media
- Internet
- Technology → echo chamber

Sometimes even means don't justify ends.
(grey area)
Metro?

Then how to see the justice?

① Agent

Kant → deontolog. Aristotle → virtue

Moral Relativism

John Mill / Jeremy Bentham

Voltaire / Rousseau

John Stuart Mill

Gandhi, Mandela (Africa) → Germany

How to balance →

- ① Gandhi's Talisman
- ② Serve Bharat / Sankalp
- ③ SDG goals guided by Gandhi

Be the change you wish to see in the world

⑤ Remarks

Reasons → cheater in exams

Keli
work w/out wealth.
Politics won't m -

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Remarks

Industry 4.0 is the biggest game changer of present & future
 (Science w/out humanity)
 (Community & consolidation)

Introduction →
 Imagine -

Indeed →
 History → 1, 2, 3

energy, transport
& communication

Now at the cusp of

4.0 → is seamless integration of physical, digital
 env. / society / economy
 are one & same
 Science & tech gains
 How game changer.

Present ① Robotics

Economy → Robotics,
 Nanotech, Biotech, Smart
 city, Digital India

② S.S., IoT, Metro, Hyperloop,
 flying cars, e-commerce

Society → world global citizens,
 one impacts others, broadens

Medical intervention / education / skills / AI

Remarks

Individual / VR / AR

Family

AI

③

No one can stop the
 idea where nine has
 come

How to balance

How to make it a
 fair game for All?

- ① Capitalism
- ② Institutions
- ③ Laws
- ④ EU - GDPR, etc.
- ⑤ Social justice - Capital
- ⑥ Demographic divide
- ⑦ Bond - community & convolution
- ⑧ Temples of Humanity, policy.

Game could go one
of control

Individual → AI vs

isolation, depression

Black mirror

Westworld

job.

Family → Nuclear;

Divorce, selfish
interest, children,

biggest victim
(contract, contract)

Society → Anxiety,
inequality, injustice

Nations → Inequality, innovation, knowledge economy
 (impersonal technology)

Global → Competition, warlike economies
 cc, African, Asia
 → Terrorism, cyber-attacks

Medical intervention / education / skills / AI

Remarks

Individual / VR / AR

Family

Global

Organizations

3D printing

Antifragile networks