



IAS MAINS 2019

Roll No. 17903

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).

Remarks

Name PRATIBHA VERMA

Mobile No.

Date

Signature

1. Invigilator Signature

2. Invigilator Signature

SECTION - A

1. A real champion is one who enjoys the art of competition and not its outcome.
2. Darkness cannot drive out darkness; only light can do that.
3. Yesterday is history, tomorrow is a mystery, today is a gift of God.
4. Science is a beautiful gift to humanity; we should not distort it. ✓

SECTION - B

1. Situations do not make or break us; our choices and decisions do. ✓
2. Man does not get two separate lives, one 'to struggle' and the other 'to live.'
3. Winners are not necessarily true and ethical.
4. People decide their own destiny; fortunes are made or unmade by karmas.

Science is a beautiful gift to humanity; we should not distort it

∴ Paragraph 'X' marked at P. no. 203 should have been your introduction.

Early and Primary man was afraid of floods, earthquakes and draughts. He thought it to be result of ~~the~~ the desire of supernatural or supreme being. He imagined it to be a conspiracy of stars and their positions. He was scared of disease outbreaks and worshipped everything around him that he could not understand. He prayed to trees, mountains, rivers, moons, sun and what not, for good fortunes and considered life to be at mercy of these.

Primitive man

His curiosity could only take him so far. His inability to collect data, conduct experiments and understand pattern, limited their knowledge. But when he did understand it, the light of science changed the graph of humanity's progress.

Awakening of humanity

For most part of our history, religion and ~~that~~ its theological beliefs guided every

fact of human life. During age of darkness in Europe, church taught to fear the god and told earth to be the centre of universe. With discoveries of Galileo and Copernicus, credibility of these claims were questioned. Authority of ruthless churches, their power and claim to truth slowly eroded. These scientific discoveries helped bring reform during Renaissance period.

Science helped in establishing humanism, rationality and enquiry as cardinal human values.

In Ancient India, science was always part of intellectual discourse. Baudhayana,

Aryabhata, Varahmihir made tremendous contribution

in understanding world around us. Taxila and

Nalanda pioneered in scientific education. The

healthy mix of theology with science built one

of the greatest civilization humanity has ever

known.

Benzamin Franklin's discovery of electricity

and Edison's invention of light bulbs brought

shine in the darkness of human life. These fruits of science are still harnessed. They run our industries, homes, schools, hospitals and our cities. Invention of refrigerator, washing machines

LPG run cook stoves has brought immense convenience and ~~was~~ empowered women.

Intro para should be at the first point as introduction

The discovery of steam engine changed the manner of production and became a catalyst to first industrial revolution. It led to freeing of workers from feudal landlords and reduction in poverty in Britain. With slow dissemination and subsequent industrial revolutions, today we live in highly interconnected and globalized world.

The discovery of telephone and mobile handsets based on principles of science has brought loved ones together; made businesses easier and brought ideas together. It was the nuclear science that helped understand sun's process

development
of science

of energy generation and today we are at the
cusp of replicating it on earth. China's EAST,
and Europe's ITER reactor are living examples of
how science can revolutionize life and fulfill
its needs.

The advances made in biological sciences
helped in understanding diseases and its cure.
Today polio, small pox and plagues are
almost eliminated, that once scared the human
hearts. The advances in genetics are taking us
a step further in decoding the very essence of
humanity, their characteristics, nature and
personalities of everyone. Human Genome Project
and 100X Asia Genome Project are the result
of science directly.

Science enabled interplanetary missions
to Mars, Saturn and even beyond our solar
system. Chandrayaan and Mangalyaan found
traces of water and contributing to solving the
origin of solar system.

Various satellites in space are helping

Remarks

development of
science

biological
&
health
care

to navigate the earth, understanding weather patterns for us and warning us about disasters and floods so we need not be scared any more and save our lives and loved ones. These are bringing a sense of security.

Navigation & flood warning systems

Green Revolution ~~and~~ helped us achieve food security and tackle the hunger and poverty. Today we have become a food surplus nation because of seed hybridisation high yielding variety, fertiliser and pesticides that were born out of scientific studies.

Green revolution

Other fields of science i.e. material sciences, nanoscience and environmental sciences ^{also} ~~etc~~ has contributed to our progress and as a result we are the wisp of 4th Industrial revolution. It is promising to integrate cyber, physical and biological spheres and bring about interconnection of nature at an unprecedented scale.

4th Industrial revolution & marked the test of I.R. 4.0

Therefore, we see that science is indeed a beautiful gift to humanity. However

the picture isn't exactly rosy. With all the gifts there is an associated price. If not used judiciously ultimately we have to pay it.

some more advancement in soft
A Chinese origin scientist shocked the world with his announcement of gene-editing in babies to eliminate HIV. However it raised the concerns of designer babies, and various side effects ~~and~~ that are clearly not understood. It treats humans as means ~~to~~ and not as ends. This distortion of genetic science could lead to greater inequality and schism between haves and have nots.

The establishment of monopoly by inventors over products of science has created conflict at many level. Pharmaceutical industry denies essential ~~best~~ medicines to poor Asian and African nations. GM company such as Monsanto denies seeds access to developing nations. Technology companies build the wall of intellectual property to restrict access and

concentrate wealth rather than share it with rest of humanity. This, in a way, science becomes a gift to select few and a burden to the rest of humanity.

Science has also been used against nature. By changing course of rivers in china, building artificial islands, breaking glaciers and mountains, a road to environmental disasters has been opened.

man-made burnings in Amazon rainforest

Further due to irresponsible use of technology science, biodiversity and forest are threatened. Pollution has reached unprecedented levels in cities causing global warming and becoming a threat to humanity.

high levels of pollution

The use of Atomic bomb over Hiroshima and Nagasaki presents the naked truth of consequences of distortion of science. Today some nations are engaged in all sorts of war taking it new dimensions of nuclear war, space war and cyber war.

Even the governments are misusing their unrestricted access to fruits of science by aiming to create surveillance states. USA's Prison database did exactly this. Artificial Intelligence is presenting a threat to individual privacy and security of nations.

Further, there are also the concerns of distortion of theology to present it as a science creating a culture of pseudo-science, presenting Ganesha as result of surgery in ancient India and claiming discovery of aeroplane without facts and proofs erodes the national image.

Science is a double edged sword. It is a neutral means, ultimately the result depends on the actor. Its judicious and democratic use could create an equal and just society where superstitions and discrimination based on colour, caste, creed and gender is looked down upon.

Remarks

If science can solve the problems of caste and religious disparities - it will be highly appreciable.

It could lead to creation of prosperous society with equal sharing of wealth and elimination of poverty. Science could present solutions to environmental degradation and bring about the culture of conservation. It will open our eyes to traditional scientific knowledge of tribals and bring about ecological harmony.

Scientific acumen also creates healthy political discourse, empowers citizenry to demand their rights. It was precisely the reason why breeding scientific temper was inserted as a fundamental duty.

Science has the potential to bring nations together. As seen in LIGO, ITER and CERN projects, it could become a tool for international relations and sharing the prosperity.

Therefore we should not distort this beautiful gift to humanity.

First we need to understand the essence of science.

It is always willing to abandon a given idea for a better one. It does not hold its faith to be eternal or immutable. Thus, we

need to design an education system precisely around this idea that enables us to learn, re-learn and question everything.

Second, there is need to create responsible users of science and technology.

By ethical education and right socialisation,

it should be taught to treat humans as end and not as means. *Start from family and school*

Third, there should be a judicious and equitable Intellectual property rights regime that shares the fruits of scientific innovation equally.

For this international organisation such as WTO, UNESCO etc need to come together to collaborate.

Fourth, there is need to increase government spending in sciences with proper ethical framework of its use. Government should prioritize national interest in science to reduce

inequality and bring prosperity.
 Finally, there is need to increase representation of women in science field that could bring a balanced perspective. Also there is need to increase science - citizen interface so that both scientist and citizen could understand the benefits and goals.

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Science knows no country, because it belongs to humanity and it is the torch that illuminates the world! Therefore we must cultivate the science for humans that thrives on morality!

Good attempt

- every thing we see around is gift of science & technology.
- S&T helps a better life
- science for humans and for society.
- science should be used to solve
 - availability of clean drinking water.
 - food security.
 - cleaning the rivers
 - best and cheap health care.
- finally, this is to say that it is the human whose attitude towards other humans need a change. As S&T

Remarks grows the moral values are diminishing at the same rate.

It is the man who need to change - science itself is not bad. //

Remarks

Situations do not make or break us; our choices and decisions do.

Imagine you were dropped on a stage full of actors. All are shouting on you, ~~because~~ chasing you, laughing at you, feeling pity ~~or~~ or some just plain disgusted. Now you have the choice to stand up and speak for you ~~or~~ slowly run away. You could laugh or cry, or you could silence them. It is your decision that could make you star of the night or laughing stock for life.

good introduction

Situations, the set of circumstances are completely out of control of one's hand in which people find themselves accidentally dropped in. It is just like this stage.

It is our choices and decisions on this stage which either makes us a star or breaks us down to pieces.

well composed

In personal life, people often find themselves in difficult situations, that come unannounced and present uncertainty of future. Dealing with break ups, divorces, job losses, death of loved ones, diseases and injuries seems difficult and life looks impossible to live on. It is in these moments of weakness people's decisions matter most. They could choose to be strong and get over it and let it affect and fall into the depth of depression, anxiety and lose peace of mind.

On the other hand, in moments of happiness, success and prosperity people choose either to be generous, sharing and kind or arrogant, wise and selfish. It is these situations and our decisions to live or how to live them, makes and breaks our character.

History is full of people and great leaders who chose not to give in to

decisions
shaping
one's life
good decision
good life

repeated
words
clue

difficult situations and emerge victorious.

Chandragupta Maurya chose to take help from Seleucus and fought Dharmaraja's cruel rule. He established one of the biggest empires in ancient India. Puru, despite his small army chose to face Alexander which earned him appreciation and eventually saved his people. ✓

decisions
determination
decides the fate

During Independence Struggle, Rani Lakshmi Bai devoid of any chances to win against British, fought the war herself. Though she died on battlefield she is still an icon of India's freedom struggle. ✓

firm
her decision

Mangal Pande did not give in to unjust British order and became the catalyst to India's first war of independence. Lala Lajpat Rai did not stop at even at the face of brutal Lathi charge. ✓

~~Mangal~~ Mangal Pande

Subhash Chandra Bose did not give

his fight against colonialism and went on to establish Indian National Army (INA) and won hearts of millions of Indians.

Mahatma Gandhi, after thrown out of a rail coach did not silently bear the humiliation and chose to fight the injustice. He not just bring about stop to slave-like discriminat treatment of Indians in South Africa but created a mass movement in Indian subcontinent as well.

Gandhi's decision after an incident in S.A. he decided to come to India & fought for freedom

He kept facing opposition, lathi charge from mighty British empire, even then he chose not to give up his quest for truth and non-violence. Eventually millions followed

his path of non-violent struggle and made British helpless even in their own game. Today he is not just remembered as ~~global icon of~~ father of nation but also as global icon of peace.

Gandhi is really a great global icon of peace

Remarks

The struggles of B. R. Ambedkar against caste system are well known. He was denied equal education and just treatment and subjected to intense humiliation. Even then he held his ground and created one of the most equal, just and admirable constitutions that aimed to remove every form of humiliation, be it he fought against untouchability, manual scavenging or slavery.

Similarly Jyotiba Phule and Savitribi Phule also pioneered education for untouchables despite intense opposition due to their caste.

Martin Luther King Jr. fought against racism and slavery despite threats to his life. Nelson Mandela spent 30 years in jail, yet it did not break his spirit. He went to become President of South Africa.

Aung-San-Su-Ki was put under house arrest in her own home for years. She chose not to submit to British government and went on to win Nobel prize for peace.

and a democratic government for her country.

Heroic
Malala Yousoufzai did not give up her fight for women's rights and education even after taking bullets to her face and facing death. Today she is not just a Noble Laureate but also a global inspiration.

Opportunist
Opereah Winfrey won over her struggle against poverty and now she is one of the most successful business women and inspiration figures in popular culture. Nadia Murad was subjected to sex-slavery and assault yet she chose to become ambassador of peace and today she is Noble Laureate.

Leadership
 During China war or USA's denial of food grain supply during Indo-Pak war, our leaders chose not to give up. Leel Bahadur Shastri gave slogan of Jai Jawan & Jai किसान and led India to victory. Emergency years did not break the spirit of civil society and brought about a shining victory in democ-

Remarks

anc History of India

In 12 years a slave, Northrup selloman describes his ordeal and hopeless situations. But he chose to stay strong and live on.

Winston Churchill, at the face of defeat from German army, chose not to give up.

but ultimately he brought about a victorious coalition in form of allied powers.

Dhyanchand and his team played Hockey barefoot due to no sponsoring from British India. Even thus he led his team to Olympic victory. ~~What~~ Where is the situation?

On the other hand, even at & victorious and successful situations people tend to make corrupt, selfish and wrong decisions that brings about ruin.

Napoleon's war against Russia and trade blockade against Britain, exhausted his nation and nullified any victory. Hitler's and Mussolini's uncontrolled thirst of power

drove them to ruin.

Corrupt politicians, 2G scam, coal scam, misuse of power and subversion of democratic processes were breaking the thresholds of Indian democracy. Justify situation & choice

Similarly today's multiple crisis are result of arrogant decision and choices by powerful lot of world. Climate change

Refugee crisis, terrorism, inequality, Protectionism, Xenophobia and egoism are consequences of parochial decision making to advance one's powerful situations. However

in long term, Such decisions create crisis in form of human right violations, protest and riots.

Today Sudan, Venezuela, Middle East etc are suffering from two. Arab spring, Tamime, revolution & Hong Kong, protest & shill act as reminder that no matter how

hard the situations, our decisions and choices will break us, or make us.

In contemporary times, Bill Gates, Warren Buffett, Aziz Premji, Kiran Mazumdar Shaw etc. act as shining light as they chose to help people even in their success and not turn away like other business conglomerates.

The accolades to Kelash Satyawadh, Shorate, Vatman and Somnath Wangchuk is parents hopes to millions. Ramon Magsaysay award to journalist Raveesh Kumar for bringing voice to voiceless, ~~even~~ while facing death threats is encouraging for all Indians.

The world is full of such warriors who maneuvered through situation of life. After all people do not get separate lives, one 'to live' and other 'to struggle'. To struggle is to live. And

Life's circumstances demand action

Naturally the question arises how to make right choice and right decision in face of adversity. Geeta presents an answer "Karmanyevadhi Karaste, Ma Falshu Kadachan". It can be summed up as that "Your duty is the right action".

Kant's utilitarian view also support this idea. Take those decisions that could become universal duties. Both situations and result remain out of our hands but our choices do not. One could either accept defeat or chose to face adversity. However, one should always remember it is in the moments of your greatest weakness that one finds biggest strength.

Good

- good introduction & content with good examples
- Content is good except one repetition

- Life is full of choices

- choices definitely shape our life

Remarks

→

— choices are keys to success

Bright and good decisions, though hard, will
end up in good.

— a bad decision from foolishness, may be commoned,
ends up in bitter experience for
the decision maker

JA

//

Remarks