

Roll No. _____

Time Allowed: 3 Hrs.

Max. Marks: 250

Instructions to Candidate

Remarks

- 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 DIKSHA

Module No. _____

Date _____

Signature [Signature]

1. Investigator Signature _____

2. Investigator Signature _____

62460
14/04

[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 must not distort it.

The year 2012 saw many conspiracy theorists converge around the "ominous" "2-12-12" date as the end of humanity. A leap in the scientific world was actively being ~~shattered~~ distorted. The activation of the Large Hadron Collider was being feared and excitedly awaited in different quarters. The day passed as any other, but with the discovery of the 'god particle', the hint to our existence from the Big Bang. What is more beautiful than human endeavor to find ^{the source of} ~~our~~ ~~own~~ existence...

Another ^{instance where,} beautiful mind of scientific enquiry, spanned an equation summarising his theory and understanding of matter, light, energy in $E=mc^2$. ~~It~~ then became the starting point for distortionists through nuclear bombs that killed thousands and threaten all the ~~seven~~ ~~plus~~ billions.

Remarks

Beautiful mind $E=mc^2$

good introduction

Science is unique to humans, who with the highest intellect, can reason, communicate, think and imagine. Science is special to humans, who have used it to improve their health, comfort, knowledge, quality of life and control of environment. Science is also now a threat to humans who have used it to build bombs, destroy environment and escalate tensions.

Science is for construction and also for destruction

Dr. Kalam's statement puts science being a beautiful gift and it being in hands of us humans to utilise it or distort it.

Science impacts all other social aspects

In the contemporary times, with exponential growth in science, it becomes imperative to discuss the gift that is science and its implications on the social, political, economic and most importantly the human aspects.

Science is the logical enquiry into the natural phenomena around us. Science is the application of reason, logic to objectively assess events or objects. Developing hypotheses on possible

Remarks

Science depends on reason and logic

explanations, testing them rigorously and objectively, communicating, skeptically verifying and verifying the evidences, ~~knowing~~ and revising over time. is the basis of science. Karl Popper has described science as an art of systematic oversimplification.

Science is thus the continuous effort to understand, describe, predict and control the natural events. When these principles are applied to different fields, they approximate science too. These fields range from positive sciences like physics, chemistry to humanistic like social sciences, psychology.

Continuous efforts since help to humanity

Science has improved our knowledge, our confidence in our understanding of our surroundings. From physical to human systems we have applied science for altering our surroundings. For example, the scientific knowledge of thermodynamics powered ~~the~~ invention of steam engine. The knowledge of effect of deprivation on human brain has spawned compensatory education.

Steam engine 1.12.10

Science when applied to physical world spawns technology. Tools and processes we use

Remarks

Science emerged from our attempts to understand our surroundings. When humans stopped accepting the divine sanctions. This scientific knowledge when applied to physical world spawning technology. Tools and processes we use today have emerged since the ^{pre-}ancient human history. Ever since we became "homo erectus". But it has been a relatively recent exponential growth that humans have fully accepted science in life-styles, values and thoughts.

Science in lifestyle

Our lives today have become so inextricably linked with science that it is difficult to imagine one without the other. The gift that is science can be gauged in the longer lives we are able to live thanks to discoveries like penicillin by Alexander Fleming, and so many diseases can be avoided by vaccination, and we have managed to conquer the biggest killer of medieval ages, the small pox, with the help of science.

Though new diseases become known and indeed death is inevitable, but we have managed to delay it for so many.

Remarks

The ^{add to} quest continues and our own actions threaten lifestyle rice areas climate induced tropical diseases facilitate spread of epidemic in globalised world are new threats. But the beauty that is science is hard at work against these.

Always find a link between science & diseases etc

The contribution of science to our comfort can also not be overlooked. We are able to sit in the safety of our microhabitats (homes, workplaces etc). Away from natural predators, we can control our climate locally (air conditions, radiators etc). Endless stream of content flows to us through our devices to fulfill our knowledge and affiliation needs.

Weather controllers

Agriculture has been revolutionised to the point where most do not worry about food day in and out. fertilisers, machinery, soil chemistry and composition weather prediction have all transformed the basic species to an advanced one. Cities have grown due to this surplus, population has exploded and our focus has shifted to higher pursuits, like that of our evolution, existence big bang, from deep sea to Mars to our own consciousness.

Agriculture

big bang

Remarks

Progressivist Steven Pinker highlights how this generation of humans is the most blessed. Even though many revivalists keep beckoning an allegedly beautiful past, there can't be no argument that ^{there is} absence of constant war, disease and worry of food. His views are backed in solid numbers. As a percentage of total population, lesser crimes, deaths, and better quality of life are found in present than even before in past.

Contribution of human sciences is just as significant to this discussion than Enquiry by philosophers, political scientists, social scientists has brought us the most accepted political system of democracy today. Many experiments in communism, socialism, monarchies led us to this stage. ~~But~~ Although still in transition and we may slide back (as is evident by Stockholm ~~the~~ Peace Institute's Democracy Index) this system has established an amicable inclusion of huge masses.

Inclusive, participatory governments across the world today are concentrating on welfare of masses. ~~and~~ for this the economy is being studied as a science, integrating data science, behavioral science and political sciences too. ~~Other~~ effects of different systems from capitalism

↓
disease
crime

Human Science
↓
dominant political system

Various experiments in forms of govts finally arrived at democracy

Economy, Political Science, Psychology, etc.

Remarks

to socialism are studied along with emerging trends like globalisation. Many scientific methods and tools make this possible. For instance, the effect of additional vehicles on trade volumes, gas and computed via ^{specific} softwares that use mathematical, physical and economical bases.

Economics is closely integrated with new research which needs ample money. This is evident in the fact that Royal societies across Europe fueled by capitalist money powered the Industrial Revolution in 1700s and 1800s. Support to Newcomen, James Watt, Thomas Edison and the like pushed forth a scientific revolution with the wider economic revolution.

Though such scientists have been contributing since ancient times. Charak, Aryabhata, Archimedes, Dedalus, Copernicus, Newton, Einstein, CV Raman are but some names that we should collectively be thankful to. Their contributions with hundreds others have brought humankind on a different platform. From here we can leap into the Artificial Intelligence supported future of us.

But this is also where we should catch ourselves into blindly accepting science as preached

Remarks

Scientific methods in Pol-science and Econ - mix

Scientific element might

Valid contribution of many in AI

weapons
of mass
destruction

all troubles. The same chemist ^{who} ~~that~~ invented fertilisers also invented 'poison gas' to exterminate initially the enemy lines and eventually Jews, disabled and other 'weaklings' of Germany. The same formula that explains light and energy, the omnipresent, also led to biggest threat to humanity, the nuclear threat.

'Agent Orange' was used by USA to clear forests and people in Vietnam alike. The life-saving 'sonography' ~~is~~ being used to abort the girl-child.

Biotechnology is constantly being checked for fears of inequitable applications, engineered babies, and other ethical grounds like unknown mutations from tampering without full knowledge.

engineered babies
being avoided

A famous Hollywood movie, the Terminator series portrays a dystopia where humans have annihilated themselves creating AI and nuclear bombs that ~~take over~~ ^{take over}. The use of science and tech for military advancements, warfare, excessive extraction of natural resources, accumulation of maximum profits to few are some of the very dangerous distortions we ought to beware.

Nuclear
Tech.
one needs to be
careful

Science thus has to be tempered with humanity. Gandhiji highlighted this in one

Remarks

of the seven sins of social life. Our morality, ethics, reason, compassion values should be in driver seat as we ensure science benefits us all. The Indian constitution beckons development of scientific temper. Our nation's founder from Swami Vivekananda to Jawahar Lal Nehru supported science and technology for modern India.

Science has helped man grow leaps and bounds. The beauty is, but, in the eyes of the beholder. To those who cherish progress to long, time from the comfort of their lavish abodes, science is anything but a curse. It is a curse to those, whose humble abodes are bombed by scientifically superior fighter jets from most 'advanced' countries. (say vs in Syria). Advanced in science, advanced in destruction (for them).

Albert Einstein once said, it is clear our science has exceeded our humanity; when he was struggling to reconcile the most vile distortion of his scientific marvel, the bombing of innocents in 2 Japanese cities. He then, as he had before, emphasised the need to temper science with religion. This, so that, ethics could humble the arrogance of 'conquerors' of nature.

our
graduating
supported
it?

2 Einstein
Nuclear
bomb
2
bombing
Hiroshima
Nagasaki

Remarks

27

in our pursuit to keep each other in check we created 'Mutually Assumed Destruction' doctrine. Such MADness needs to stop. We ought to stop ^{exploiting} ~~polluting~~ ^{by over-exploitation} ~~polluting~~ nature for it will have the last laugh. There is indeed enough for everyone's need but not for a single person's greed (Mahatma Gandhi).

Humane science is a beautiful blessing. When applied for each person, for sustainable development, for peaceful co-existence and for ~~an~~ unexploitative ~~eco~~-exploration, this thing of beauty can become a joy forever. When applied for on ground and not from ivory towers science can serve the purpose that every human effort claims to!

Progress and prosperity for all, especially at the cusp of unprecedented transformations in science.

- good content
- continuity well maintained
- good examples are required

major challenges for the world at present are four needs to be addressed:

- 1) Clean drinking water & all
- 2) Protecting the environment
- 3) Preserving bio-diversity
- 4) Nuclear safeguards.
- 5) Energy security

Remarks

- 6) Food security
- 7) cleaning the rivers
- 8) Human health - the best and at a reasonable price

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

Imagine a situation where in the middle of the night someone comes banging on your door. This very needy stranger is begging for help to save his young daughter who was abducted to serve as labor. He knows about your activism filled pieces in a local newspaper against child labor and need to fight back. With great danger to your own life, would you go into the night, to some dangerous, remote factory to help this man whose child might be transported the next day? This situation and choice presented before Mr. Kailash Satyarthi over a decade ago.

It was his choice then and there to go with the man, that opened him to new knowledge, experiences, and reality. The cruel reality of child abduction and labor. His decisions that night and thereafter have made him the crusader against this monster and a Nobel Laureate still at work. He did not have other choices in the situation, to ignore, go to the corrupt local police (as informed by the man) or wait for morning.

We are all confronting myriad situations

Good example

This is Mr. Kailash Satyarthi

Remarks

every next moment. We ~~are~~ all then get just as many choices to act. There are some situations that are dangerous, some others are positive. Sometimes we face threat physically, mentally or socially. At other times, we are safe and happy, ~~and~~ ~~presented~~ At yet other, we do not need to make such assessments, these situations we are indifferent to.

Situations lead people to take decisions or choices

When in a certain environment, at specific time, with specific people we get to either make assessments of our surroundings, ourselves and our capability to handle them. ~~the~~ The same situation does not present twice or to different people. Yet, reduced to the basic elements, the 'same' situation can be threat to some, challenge to others and opportunity for others.

Give an example

Illustrated through the friend vs moral dilemma, when we are aware of their misdeeds, ~~because~~ there emerge different choices. A similar situation to a morally challenged person is indifferent, which is someone with unsure moral

Life full of challenges and choices shape up the life

Remarks

India has the choice to choose what type of democracy it has
 Christian secular state and Pakistan - The Islamic state - 904
 can see the difference after 70 yrs

grounds might feel stressed and too conflicted. But to one with strong morals this becomes an opportunity to correct ~~brain~~ his/her friend and do the right thing in the process.

But there are times when the situation becomes just too demanding of a person. The clarity of choices or ~~free~~ will to act on them becomes restricted. Can a person still choose and be judged upon that choice? Does not the overpowering situation become the metric of just evaluation here?

Let us explore, through illustrations and examples in different dimensions, how there are different situations and different paths for each of us. What, if any, challenges arise in taking ~~such~~ decisions in such situations? Why our choices define us and build us and not the situations? And how we can find the balance and all emerge victors over our conditions?

Situations : evaluations

It is often said, "the strong take a reasonable decision and then work to make it right, while the weak linger on with the decision and then keep regretting it." This saying distinguishes strength

Remarks

Chhotu brought in India, Aug 1966-67, forest India from a cherry/Apple - it looks a deer & a deer
 And now India's problem mine here & school

India during
Pt. Nehruji
was not
to him enough
to give him
1500 - but
Nehruji
is to be
and for
the
the
to meet
height

and weakness in our ability to take decisions, and our spirit to handle their consequences. The difference is not in the correctness, but the determination of person to stick to the right over time.

When people face certain challenges, as everyone is bound to, it becomes their character that is highlighted in the choices they make thereafter.

When Nelson Mandela was put in prison for more than two decades, he could have languished. Without any support, in the darkest of conditions that can break any weak man's resolve, he thrived. He kept his morals intact. He did not seek vengeance and ~~when~~ he emerged a leader. He became ^{known for his} exceptional decision to create equal society for harmony and prosperity.

When Dhireshai Ambani became aware of his conditions in the poorest rung of society, he ^{too} could have languished like many others. His situation was same as that of many poor, and it was treacherous. His resolve, determination and determining decision to change his situation is well known.

Remarks

~~But~~ ~~these~~ ~~men~~
 When teams for IPL were getting selected,
 many few of the players were offered extra-incentives.
 Players were bribed ~~with~~ for throwing matches for
 benefit of poor batters. MS Dhoni vehemently
 opposed and did his best on-field to maintain
 the trust of his and millions other followers. The
 sanctity of sports was but thrown by others
 who faced the very same situation.

When Ms. Kuman Bedi was appointed as Prisons
 Delhi

officer to Tihar jail, she was in the same situation as
 many before her. The minimum security prison was

facing psychological, social and economic deterioration.

She transformed the prison life to turn it into a correctional

facility than the retributive system that it was earlier.

She received wide acclaim for the initiative and
 even awards!

many businesses face situations with conflicting
profit and ethical motives. Union Carbide broke in India

when their tax security apparatus, efforts to evade
responsibility and lack of concern for Indian lives

Jail to be
 minimum
 in India
 to have
 any
 prisons
 for
 reformation

Ms. Bedi
 studied the
 situation
 and
 decided
 to have a
 decision in
 interest of
 prisoners

Remarks

CS SCHEME

became apparent after Bhopal gas tragedy in 1984.
The loss of public trust, company image and
ethical standing becomes irreparable when corporate sector chooses 'profit-at-any-cost'.

In administration too, whenever officers
have chosen personal or benefit at the cost of
larger public in sticky or living situations, public
trust has eroded. ~~and~~ When TN Seshan was faced
with rampant disregard of model code of conduct,
he chose to exercise the rightful power he was
entrusted by his office of Chief Election Commissioner.
~~Early~~ Naming and shaming violators, he made the
Election Commission a credible, trustworthy body.

Meanwhile, when in similar situation
other officers choose to meekly ignore or give un-
notified notices or worse collude with political powers,
the democratic ideals break bit-by-bit along
with the individuals. Corruption lies at the root
of this equation of situation and choice.

Corrupt morals become the guide
in situations that ultimately end up breaking
the people. Broken in conscience, trust and

Remarks

integrity people then use the excuse of difficult situation to justify their actions.

Such justifications to one-self ~~and~~ or/and others mislead evaluations and thus the learning from such actions, so when an official says he accepted the quid-pro-quo because they did not have any choice, they are rationalising their mis-deed to ease cognitive dissonance.

quid pro quo

Nowhere, is such justification more apparent than in 'victim-blaming'. When prominent politicians say that "the-girl-was-asking-for-it" (via he clotus or he be mannerisms) they are trying to mask their perceptions behind situations. Situations where no morally conscious person could think of such abhorrent act as rape, these chauvinists call out the girl. Instead of choosing to protect the love girl; they choose to violate her. These people are broken the moment they choose to think so.

These ^{correct} choices should not be so hard to make. For the criminally-minded, other than psychopathology (anti-social personality), it is the ^{adding} choices ^{multiplicative} that have led them here. Even the psychopaths are in fact results of failure to choose correctly (cognitive

Remarks

theory), to anticipate the consequences of their decisions and desire for immediate gratification of impulses.

The art of delaying gratification, to control our basic impulses, comes from: strength of conviction

and proper learning. When we keep making poor choices (for example, drinking alcohol when upset)

we keep getting weighed under the weight of guilt of making them. When we keep indulging our immediate impulses (say, to angrily lash out at those

trying to correct us) we keep moving away from a whole self (say, socially integrated self because we

drive away those closest to us).

This alienates
bit by bit
your input
stand

This movement away from ourselves is what ~~ultimately~~ breaks us bit-by-bit and then completely. We are thus the sum of the choices we ~~made~~ make - ~~unconsciously~~ Albert

Camus.

As Buddha has said:

"Thoughts become words, words become actions
Actions become habits, habits become character
Watch your character, for it is your destiny"

Thus we ought to mind our thoughts

Remarks

and actions to realise the slight decisions in the toughest of the situations.

Admittedly, there are situations that seem too difficult to overcome by sheer will. Choices don't seem many and our decisions get muddled with emotions. When, for instance, people become depressed they feel helpless and alone. They ~~are~~ further fall into a vicious cycle of lack of options apparent to them and thus further helplessness and depression.

When, for another instance, a person is given a chronic diagnosis with few (say) months to live, they are indeed in a tough situation. They go through the five stages of grief and at their end or even midway find themselves helpless.

Many other situations arise that one can let define them. They can become the "chronically ill - pitiful person", "the depressed soul", "the abused one", "the tormented one" and so on. But here as well they are not limited in their

Must not
of whole
is not
necessary
Apply the
concept
to the
syllabus
about
the issue

Remarks

choices. With some will power, trust and faith in humanity they can reach out, seek help, rise above their situations, live the remainder of life with full zest and become the heroes of their own life. They still get to choose to make their life.

As is popularly said, "it is not the dog in the fight that counts, but the fight in the dog". We are all living different lives, even ~~the~~ within same homes and there will always be a complex situation to test our conviction. We will keep facing the choices between right and easy, or tough and ~~of~~ tougher. ~~There is no easy way~~

By learning from mistakes own and others, striving to do right even after ~~the~~^a wrong, knowing oneself and those around us, we can make better choices. Objective, ethical, rational, beneficial are some parameters we can use to evaluate our options.

A final example from history where the biggest empire broke down not due to situation but the choices is the infamous Jallianwalabagh massacre. The choice of the British General Dyer to kill innocents in a manifestly unthreatening situation turned the

Remarks

biggest of the loyalists against their cause.
Here began their breakdown with the exact decision.

It is thus not the situation but what we
 choose to do about it that makes or breaks
 us.

poor

- totally argumentative type
- The essay needs examples

supporting
give more
may be followed

60

Remarks

Science is a beautiful gift to humanity we shouldn't distort it.
 # Reason, Logic, Verifiability, Objectivity, Reproducibility, Evidence,
 for understanding, prediction, control and description.
 # Karl Popper # Einstein # Freud to today # human & social sciences (also) Positive sciences.
 - Science & Technology - inter-relations -

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Remarks: ...
 #

gifts - distortions.

what is science?

science for humanity

gifts and distortions

science and humanity

different types of situation - all of us - how we handle them

— how we learn from them — effect of choices on us, & others —

— why choices > situation — to strengthen moral fibre and encourage action

— pragmatic idealism — the balance.

Remarks

Situations - to not make us break us
our (choices) must dominate do.

Intelligence is important in the night to save your life
Crawling in some areas (Nelson Mandela)

Mostly evaluation of clinical affairs

but with degree of knowledge & experience

do things don't do take up the double
but take a decision rapidly
I waste to make it

Situations - good
bad
indifferent

assessment of situation - challenge
opportunity

assessment of myself - threat
resources

action - fight
not running
with everything

preparation & motivation

fatigue, motivation, attitude, values

external forces, learned helplessness

Subjective of decisions

is not the best in the fight but fight in the

is not the best in the fight but fight in the

is not the best in the fight but fight in the

is not the best in the fight but fight in the

o Jainism: Bhakti Yoga
o Ind. - Social - Natl - Int'l level
o Nishkama Karma, Duty
o The Shiksha o Titik

[Sports] easy via right
[Corruption]

(Personal/Professional form) [Pravashuk]

Political (Entrepreneurship) [Opportunities]

[Int] - act
- choosing sides

[Environment] - various situations
- crossing the wire

[Global Realism] - good & bad in all
our choices to act upon them

(Emotional Regulation) - control
rational decisions level headed decisions

is not the best in the fight but fight in the

is not the best in the fight but fight in the

is not the best in the fight but fight in the

is not the best in the fight but fight in the

is not the best in the fight but fight in the

Remarks (Satisfaction of a fair value)
the correct choice depends
the situation