

67

Roll No. _____

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 SHUBHAM KUNDAL

Mobile No. _____

Date _____

Signature [Signature]

[Signature]

Remarks

58
62

120

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. Larks catch flies but let hornets go free.

4. TO BE Beautiful, life doesn't require to be Big

Ans

Small is Beautiful

— Schumacher

Human life is the most cherished gift for a human. All our needs—physical, material & spiritual are fulfilled only when we are alive! Life of an individual, is therefore, the greatest gift of God.

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Yet, we notice that despite human life being a prerequisite for our pleasure & happiness, it is also a source of misery, dispair & gloom. If there's big high^{tech} buildings, there are poor & unhygienic slums. If there are caring mothers, there are cruel human traffickers. If there are kind hearted & helping people, there are people who will ditch you when you need them the most. In short, if life is beautiful, it has its ugly elements as well.

Introduce
what
a 'big
life'
means
in the
context

One must, therefore, ask what makes a life beautiful? How is it that

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despite sharing the same planet some find this life beautiful & other ugly.

We also need to ask ourselves, that what is the source of good life? Is it QUANTITY or QUALITY. In other words, can

narrow interpretation - we lead a good & beautiful life without caring for numbers of years we live? let's analyse.

WHAT IS BEAUTIFUL LIFE?

Someone said - "Beauty lies in the eyes of the beholders". Therefore, defining beautiful is difficult.

Defining BEAUTIFUL LIFE is an even more herculean task. Yet, there are

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उपरा में कुछ न लिखें
(Don't write anything
in this part)

Some ^{common} conceptions of good life that are common & widely agreed.

PHYSICAL WELL BEING is often considered a pre requisite to enjoy the life fully. Having well-functioning eyes, ears & other body parts is itself a big source of happiness.

Good,
simple
example

If we ^{ask} ~~ask~~ a blind man, how his life can become beautiful, & we all know ^{what} the answer ~~is~~ will be!

However, physical well being isn't all. One needs a good health as well. World Health Organisation (WHO) defines health as complete social, physical, mental & personal well being of a person. Therefore, a

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07/08
12
Page
no

Human must be healthy in all these aspects.

~~Physically~~ SOCIALLY, ~~As~~ it is said that "Man is a social animal".

Our conception of happiness, grief, well being etc are primarily derived from our culture & society.

explained large. Rob a man of his ^{heart} social life & what's left is only being a structure with 206 bones! Society, therefore, defines us in ^{many} a lot of way.

MATERIAL needs like money, banglows, luxuries like cars, cellphones etc are also important aspects of human life. We grow up having

material
pleasure

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मा मा नं नु नं नं
(मा मा नं नु नं नं
नं नं नं)

dream to own a FERRARI or a beautiful DRESS etc. There is a part of human soul which is satiated by this material well being. In any case, ^{even if we aren't greedy souls,} a minimum material wealth involving decent food, clothing, housing etc is prerequisite for our very existence.

SPIRITUAL well being is probably the most important aspect of a good life. That a kid ^{playing} in the slums is happy & the one in posh Banglow isn't tells us that life is lot more than physical & material well being. Religious logic will bring the virtues of CONTENTMENT, DIVINE CALLING.

subjective
happiness

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etc in the picture. At the end of the day, spiritual awakening is all that we strive for. Of course our interpretation of "spiritual" is different & subjective.

Happiness, beauty, contentment, love, hatred etc have spiritual connotations. It is this spiritual awakening that prompted Chandra Gupta Maurya to abandon his throne & practice self punishment

There is beauty in giving back.

with Jain marks. It is for spiritual well being that Bill Gates despite amassing huge wealth now wants to pay back to the society through Bill-Melinda Gates Foundation.

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Grandhi ji called India's independence struggle the "spiritual awakening" of the masses.

Therefore, ~~the~~ the Hindu ideals of KAAM, ARTH (material & physical) etc

~~well being~~ are important aspects

of life. They are ^{however,} ~~rather~~ ^{an} endless pursuit. In other words, human

life becomes great & beautiful

because of ^{combination of} physical, mental, social, cultural, intellectual, economic & material well being & excellence

yet the icing on the cake is the feeling of contentment & fulfilment, i.e. Spiritual well being

विद्यया ऽमृतं ब्रह्म
विद्यया ऽमृतं ब्रह्म
विद्यया ऽमृतं ब्रह्म

Repetitive

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LONG LIFE = GOOD LIFE?

Human life is not a bed of roses. The day we enter the world, we are in a continuous struggle to ensure our well being. As a student, we toil hard for good grades. When we grow a little older, new challenges arise on the horizon. Expectations increase as we are expected to be strong, responsible adults. We struggle for finding a decent job. Just when we feel we have figured life out, we ~~to~~ see new responsibilities like taking care of aging parents, work-life balance etc. dropping up.

Good use of relatable example

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इति यावत् कुरु व सिद्धं
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in this part)

Slowly, we grow older & sooner than we realize we are branded "senior citizens".

When ~~one~~ ^{one} talks to these "senior citizens", they often give beautiful philosophical explanations to life.

~~They~~ Some say they have no regrets in life, others name a few incidences. The ^{logic} point being that life is a journey, a difficult

one, and we learn & grow along

What makes life beautiful is not to look at it in quantitative terms. Life is too precious & a

gift to be squandered by making monetary comparisons or any other

^{mathematical} life, short or long, must

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be lived fully to it's full potential.

MAKING LIFE BEAUTIFUL

As observed earlier, Beauty lies in eyes of beholders. Therefore, it is upto us how we enjoy our life, live it to it's fullest despite our subjective circumstances

Beethoven, despite being deaf, was the greatest music composer ever known. Hellen Keller, ~~she~~ ^{didn't}

Good

allow her blindness to come in the way of her life. Similarly, indian culture is full of stories of great saints who practised abstinence from material pleasure & yet lead a beautiful life.

The larger point is that for our

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उत्तर प्रदेश का निका
(Don't write anything
in margin)

Life to be beautiful or ugly, the only one responsible is US! Small or big life hardly matters if we have the sense of spiritual well being (with or without of material ^{physical} pleasures) & contentment.

Greatmen are an example, not because they lived a long life, but because they lived a life for a purpose. BHAGAT SINGH sacrificed his life for a cause which he felt was ^{his} ultimate purpose. Despite being very young he is said to have ^{walked} happily sacrificed ~~his life~~ to the platform where he was ^{to be hanged}.

Therefore,

Let us all pledge that we will find beauty in our lives. The Bible says - "SEEK & YOU

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shall find: Let's strive for
spiritual well being despite our
subjective problems. Let's try to
 look at the harvests & thank
 God for the things he gave
 us. Let's also appreciate the
 beautiful blue sky, the green
 trees, the invisible oxygen we
 are inhaling & the amazing
humans around us. Life is
Beautiful, if we want it to be!

Let's Recall. Philips Bailey -:

We live in deeds, not years, in
 in thoughts, not breaths,
 in feelings, not figures on a dial,
 We must count time true by heart
 the most live, who think the
 most, feel the noblest & act the
best

excellent
 put

use of
 simple,
 day to
 day exam
 makes
 your
 essay
 unique.
 A big life
 does not
 necessarily
 mean.
 long life
 can also
 mean
 shallow,
 money-
 chasing
 life.

(53)

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मा २०१३ से शुरू न सि
कॉपी करके रखें
न लिखें

INDUSTRY 4.0 is biggest game changer
of present & future

Ans Stanford University professor
Andrew Ng in his recent paper,
talks of his new DEEP LEARNING
model which can identify
tumorous X-rays with better
efficiency than an average doctor.
He says that with more data
-sets & model improvements he ^{good}
hopes to make his model almost
error-free

ANDREW NG's work is a direct
outcome of the ^{new} research frontiers
being conquered by upcoming
technologies like ARTIFICIAL INTELLIGENCE
(AI) GENETIC
(AI)
AND MACHINE LEARNING etc

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In the bigger scheme of things,
AI & ML are a part of
INDUSTRY 4.0.

Like, the previous industrial
revolutions, Industry 4.0 will
fundamentally change the human
world. ~~The~~ INDUSTRY 1.0, was
about the ~~steam~~ steam engine
& related mechanical revolutions.
INDUSTRY 2.0 was about the
mass production on assembly
lines. (Ford's brilliant). INDUSTRY
3.0 marked a shift to electronics
& computer technologies.

INDUSTRY 4.0 is, in a way
integration of all the previous

but
value
addition

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एक मूल है कुछ न होना
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in this part.

advancements with DATA as the
prime driver of this revolution.
Industry 4.0 not only involves
Artificial intelligence, Machine learning,
Deep learning, Data Mining etc.
but also involves Internet of
Things which would become
possible with high throughput, low
latency 5G revolution. It also
involves emerging technologies like
3D printing, Driverless cars etc.

Therefore, while previous revolutions
changed the human life fundamentally.
Industry 4.0 is the greatest game
changer because of the scale &
the infinite possibilities it presents.

+ cloud
- computing,
cyber-
physical
systems

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INDUSTRY 4.0 OPPORTUNITIES

Globalization has already created what Kerichi Shome calls a

BORDERLESS World. We have

shrunken across space & time with

New technologies & greater co-operation

among countries, Industry 4.0

could take it to next level.

With Data being the new oil,

Geographies are going to become

even less relevant. The high capital ^{of Industry 4.0}

costs of extensive machineries can

be avoided by as greater collaborations

will be possible. Further, free

flow of data will be next step

in inexorable integration of the

very well put

applicability of this concept

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सर्वे सन्तु सुखिनः
सर्वे सन्तु समृद्धिनः
सर्वे सन्तु विद्वान्

Driverless cars will improve the road safety scenario. In a broader sense, Industry 4.0 will spur growth & investment in social infrastructure like roads, fibre cables (Bharat net etc), ^{enhance social equity} Further, 5G speeds would allow seamless communication to allow for services like Tele-medicine, Robotic surgeries by doctors across the continents. Tele-education such as SWAYAM, MOOC such as

INDUSTRY 4.0 will also provide avenues for enhancing HUMAN RIGHTS & DIGNITY. Robotic technology

will ~~can~~ be equipped to handle hazardous wastes which were previously processed by humans. It

Endocrine
- point

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provides avenues for eliminating
Manual Scavenging by state of
the art technologies

Governance Systems would improve
significantly as decisions would
become Data driven. Rigorous
analysis of data by sophisticated
Statistical models would allow

for detailed information for
targetted delivery of scarce social
Services.

Technology will make human
lives more pleasant. Internet
of things would connect our
cellphones with the AI's &
room curtains & other appliances

+ efficiency
in tracking
funds
of projects

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आपका नाम लिखें
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in this part)

~~The~~ Greater integration of appliances & goods would ensure ease of living & give a one touch easy control to users.

For eg: On entering the room, motion sensors detect & switch on AC.

This triggers the curtains to open

& the TV to switch on.

(Everything is interconnected) is coming up with such systems

ECONOMIC GROWTH & INFRASTRUCTURE

building would become easy ~~because~~ & efficient by ^{3D} technology.

entire houses would be built by computer programs & 3-D printed. We could avoid using bricks, cements & the consequent

ENVIRONMENTAL damage

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THE OTHER SIDE OF COIN

As the saying goes - "Every coin has two faces", Industry 4.0 has its own problems which would also be on a scale never imagined before.

INDUSTRY 4.0 is essentially ~~created~~ ^{built} on high Technology & innovation ecosystem.

It will, therefore, potentially create greater dichotomies in the world. It could exacerbate inequalities between well off & poor countries leading to

gap, also developing closer resources & human capital) & development nations will increase

Neo-COLONIALISM. Within countries, it favours the rich & educated & presents uncharted territory for uneducated & unskilled people including the older, less tech savvy generation.

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This is a bigger problem in a emerging economy with huge population like India ~~as~~ as it also threatens to eat up many traditional & redundant jobs. It might therefore lead to Joblessness & unemployment of the relatively unskilled & uneducated masses.

Recent report by Mckinsey (a global consulting giant), estimates the reskilling as removing 40% of global jobs due to industry 4.0 disruption.

Apart from this, there is the concern of DATA PRIVACY. Since, Industry 4.0 is built on data, it threatens to subjugate human liberty & privacy in personal sphere.

महात्मा जवाहर लाल नेहरू
(Dorabhai Tata Library)

eg - Tomato
field 500+
workers
due to
automation.

eg -
Cambridge
Analytica.

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& accessing sensitive data. This has also brought new concepts like

✓ DATA SOVEREIGNTY & DATA SECURITY

as not only personal issues but national security concerns. The

✓ EU's GDPR on data protection & debate on right to be forgotten, data localization etc are a case in ^{point}

Industry 4.0 will make life pleasant but threaten to break the social

fabric of an already fragile & stretched social order. Even today

we are "so close, yet so apart".

due to our busy lives, social media

etc. New additions ^{like IoT etc} will threaten

& endanger our interactions & further

PHYSICAL exercise & sports will

increasing
point

U.T.S.U.

एक मल में कुछ न लिखें
Don't write anything
in this cell

be replaced by virtual gaming & chats.

Finally, INDUSTRY 4.0 presents the PHILOSOPHICAL debate of being subjugated by Machines. What has been Science-fiction movies stuff, could ^{potentially} become a reality. (if not literally at least metaphorically)

Self-awareness of AI voiced by science-fiction teachers

The famous ELON MUSK - MARK ZUCKERBERG debate was about this issue as well.

INDUSTRY 4.0 - THE DOUBLE EDGED SWORD

The only thing permanent in the world is CHANGE. Industry 4.0 is here & the revolution is happening. However, it is prospective of the human kind, as to how we let it change our world. Does it lead to increase unemployment

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प्रश्न संख्या
(Question No.)

or. Invest in reskilling & capacity building. Do we increase Digital literacy or ~~allow~~ leave people to tackle financial frauds for themselves?

Relevant arguments to the essay are well covered. Throughout the essay I have given egs - adding these will make your argument more substantial & enrich content.

If we use INDUSTRY 4.0 & realize its huge democratizing & equalising potential we can gain tremendously by improvements in Healthcare (Telemedicine), Education (MOOCs) & Social Infrastructure.

So, let's rise in the spirit of SARVA BHAVANTU SUKHINA & vow

Policy-makers need to adopt & react

to ensure that this game changer is actually a positive change.

Let's ensure that this new revolution - doesn't increase inequality but rather bridges the gap. Let's

remember what Carl Sagan said -

Considering science & spirituality as dichotomous does injustice to both. HUMANITY