

## Essay: The doubter is a true man of science

1) Introduction

2) What does the statement signify?

i- All the big ideas were the product of asking deep questions

ii- Critical thinking is the base upon which great ideas take birth and stand still

iii- Great things are never achieved by sitting in the cozy, comfy zones and accepting things as they are

iv- Breaking stereotypes and crushing the dogmas are at the heart of science and innovation

v- Challenging the core beliefs of the society comes with deep ramifications but a true man of science is firm in the face of adversities

3) Landmark achievements of individuals in the field of science and innovation, who have shaken the world of irrationality by thinking out of box:

i- Socrates exposed flaws in the laws of his land, that is democracy and engaged in philosophical discourses

revolving the nature and true meaning of virtue, piety and justice.

ii- Rene Descartes, doubting his very existence, came with the philosophy of "Cogito, ergo sum" - I think, therefore I am

iii- Existentialist philosophers have shaken the belief <sup>of people</sup> in the inherent meaning of the world by coming up with the philosophy of redefining the meanings of life and taking up the responsibility of their deeds - "God is dead"

~ Nietzsche

iv- Galileo's expansion of work on Copernicus heliocentric model of solar system challenged the preachings of Roman Catholic Church

v- Martin Luther King, (Sr) <sup>bely</sup> skeptical of monopoly of clergy over religious interpretation of Bible, took a first bold step of translating the Bible into German language

vi- Darwin's theory on origin of species exposed the ancestral link of humans to apes, challenging the religious's guide to creation

4) Manifestations of ideologies that paved a way for groundbreaking achievements:

vii- Mutazilah school of thought opposing the established  
 Asharism became the ground for Islamic golden  
 age and flourishing of science through Baitul-hikmah

viii- Ideologies of Enlightenment philosophers instigated  
 the fire of revolutions across the world ↓ Glorious,  
 and that gave birth to democracy American and  
 French revolutions

ix- Communism and Socialism propounded by Karl Marx  
 confronted the flaws of democracy in the form  
 of ↓ capitalism  
 abhorring and ridiculing the

x- Mahatma Gandhi and his philosophy of nonviolence  
 and resistance against Britishers demonstrates  
 his skepticism with the rule of British crown

xi- Quaid e Azam's Two nation theory was the sole  
 product of his doubt with the Hindu-Muslim unity

5) How skepticism looks in contemporary world - Innovations  
 in the modern  
 world

i- Newzealand's strategy to deal with Covid-19 and  
 early lockdowns and interventions proves its reservation  
 on the severity of virus

ii- Japan has successfully anticipated the vulnerabilities in supply chain and shifted its industries out of China in 2019

iii- Saudi is ~~embarking~~ <sup>ed</sup> embarking on a transformative journey of reducing <sup>its</sup> reliance of GDP on fossil fuels and diversifying its economy (to reduce shocks in future)

b) Conclusion

Thesis Statement:- This world has witnessed much progress and transformations owing to the doubts, skepticism and questioning of great intellectuals, historians, philosophers and leaders. All of them have contributed to the revolutionized and transformed world, making people's lives an epitome of efficiency, innovation and progress.

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Essay : "The empires of the future  
will be the empires of  
the mind"

### Outline:-

1) Introduction

2) What does the statement signify :

a) The future belongs to those who can leverage the educational potential of their people

b) The success of a nation depends on its education, creativity, innovation and problem solving abilities

c) The future global power would be weighed in terms of country's ability to harness its intellectual capabilities

d) The best capital is the one which is invested on humans

e) knowledge-based economy would be dominated with the largest GDP share

3) Manifestation of the societies that are building their empires on the mind - innovation and creativity

① America's silicon valley and stanford university are producing world's leading tech giants

② China's shenzhen has become a neo silicon valley with AI and hardware hub

③ India is contributing in largest STEM workforce with the world's leading IT export industry

④ Finland has set a precedent of global educational model by topping the list of world's happiness index for the seventh consecutive period

⑤ Japan's early childhood education model is celebrated in the world for high moral, ethical and social developments in kids, setting the stage for future creativity and innovation.

④ The empires of the future and importance of soft power:

a) China's win-win economic model and propagation of BRI across Asia and Europe

b) India's traditional yoga practice ~~is~~ is recognized worldwide and acknowledgment by the UN - International Yoga day

c) Influence of cuisines - Italian, Mexican and fast food culture

d) Pakistan's rich tapestry of culture and strong heritage of Indus valley and Gandhara civilization

⑤ Conclusion