

# What is Science ?



Acharya Agnivrata Naishthik



**Honorable Vice President of India M. Venkaiah Naidu inaugurating Grantha "VedVigyan-Alok" at Vice President house on Jyeshth Shukla Ashtami Vikram Samvat 2075, Date 20, June 2018**



**Well known Astrophysicist Prof. A.K.Mitra and A.R.Rao inaugurating the Anusandhan Bhavan (Research Hall) on 9, Oct. 2011**

Om

# **What is Science?**

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# Editorial

**T**oday's era is called the era of science and technology, and in this field we are also making progress at a rapid pace. To make our life happy, the scientists are also developing new technologies day by day, but are we happy? Considering the modern technologies, has science given us such a technology, which has no adverse effect? This means that we are doing mistake somewhere. A mistake, which I found is that we have not understood the physical science deeply. Technologies based on incomplete physics can never give happiness. When a scientist invents a technology, does he think about its adverse effects? His vision remains always one-sided. This is the reason that currently no technology is totally harmless. Modern science is surrounded by many serious problems today. Regarding theoretical physics, except for the experimental verification of few principles, which were predicted about 50-100 years ago, no major research work is done in the last 70-80 years.

We want to understand every process of creation through mathematics, but seriously consider, is it possible? Can we explain all the processes happening in the universe through mathematics? Mathematics is merely a language to explain our thoughts. If we can't make understand any theory through mathematics, it doesn't mean that it is not science. For example, we can't explain the process of tree formation through mathematics, then how can we think of knowing such a complex universe through mathematics? There is also a limit to such experiments and observations. Which we can't detect, it doesn't mean that there is no existence of that thing. If we want to know more about the Universe, then we have to come out of the boundaries of

mathematics and experimentation, otherwise our life will be ended in solving some equations.

All well-known scientists have believed that there is a power that has made the world, tied in the rules and operating it, then why we hesitate in thinking about it? If a person like Acharyaji wants to help us to get rid of these problems, then we don't take it seriously by saying philosophy or egotism, is it fair? I think that this is not fair, we should be ready to listen to every thought, which can be helpful in making progress, which can protect our wealth, time, hard work etc., by giving up our every kind of prejudices, otherwise our life will end without making any notable progress.

Acharyaji, through this booklet, has done the task of showing a new path to science students and enlightened people, by doing the correct definition of science. Along with this, he has suggested to give answers to the serious questions given in the end of this booklet in a conference in near future through Vedic science. Hope you will read this booklet and understand the meaning of 'What is science?'

With this hope

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# Modern Definition of science

**T**oday, science is discussed everywhere in the world, not only by the enlightened but also ordinary people. Some noblemen keep scientific evidence in mind on every step. Many modern scientists, ignore the hypothesis about universe based on any other method other than their science, saying it philosophy. I have been communicating with many well-known scientists of India for the past 12-13 years, due to this it is my own experience. By considering this whole subject, I would like to give a special message to the world's top scientists and the young generation of scientific talent, including India, so that they can be aware of the reality of science.

At first, we consider the definition of science from the present viewpoint. According to the Science Dictionary edited by M.J. Clugston-

"The ongoing search for knowledge about the universe" is called science. From this point of view, the research in the world related to universe is called science. This definition is very short. In detail, this is written in the Chambers Dictionary:

"Knowledge ascertained by observation and experiment, critically tested, systematized and brought under general principles, esp. in relation to the physical world, a department or a branch of such knowledge or study."

On the other hand, according to the oxford advanced learner's dictionary's Indian edition, the definition of science is given as follows:

“Organized knowledge esp. when obtained by observation and testing of facts, about the physical world, natural laws.”

From all these definitions it is clear that **the knowledge of the universe, which is well-researched and organized by experiments, observations and various tests is considered in the limits of modern science.** It makes clear that the more capable resources we have for testing, this modern science can learn more about the substances of creation by doing more testing's. The science can't accept any matter existing outside the limits of its technical instruments, regardless to its exactness. There was no known gravitational force prior to Isaac Newton in Western countries, before Galileo and Copernicus they had no knowledge of the size and rotation of the earth, then for them the gravitational force, the circular motion of the Earth and the rotation around the Sun etc. were not in the field of science, that is, all these ideas were only imagination for them. **At the time when Galileo and Copernicus were not born in Europe, Indian astronomers such as Aryabhata, Bhaskaracharya and Varahamihira were doing researches on the motions of planets, which were beyond imagination for Europe but see the trend of modern science that Galileo and Copernicus became scientists in their sight, but the work of Indian scholars don't come in the field of science.** Apart from accepting Indian astronomers such as Aryabhata etc. as scientist, many countries don't even know him. In this country even if a government places such Indian scientists in the education curriculum, then what will a foreigner say, the enlightened, media and so-called secular of this country, start shouting on it saying it a communalization of education. This is the tragic culmination of intellectual slavery. If someone discusses the ancient Maharishi Bhardwaj and Maharishi Kanad etc. except the



medieval Indian Acharyas, they become a laughing stock by saying all this mythical story, or somewhere a fierce opposition. This is the intellectual slavery in the name of science.

Today, there is no one who can talk about the sciences of Vedas, Darshans, Brahminical texts etc. If someone like me does, then he is asked to take the certificate from the modern scientists. **I have no hesitation in accepting that behind all this, the western slavery is responsible, along with this, the people, who have only been making a web of words in the name of the research of Vedas and Vaidic scriptures or blindly follows the researches of modern sciences, are more accountable.** I'm different from both of them.

Dear readers! First, I would like to examine the modern science using its own definition and somewhere in its own language.

# Suspiciousness of experiments and observations

**I**n this topic, we first quote the ideas of the great modern scientists on the doubtlessness of experimentation, observation and mathematics.

The well-known British physicist Stephen Hawking's statement is-

“Any physical theory is always provisional in the sense that it is only a hypothesis, you can never prove it. No matter how many times the result of experiments agrees with some theory, you can never be sure that the next time a result will not contradict the theory, on the other hand you can disprove a theory by finding even a single observation that disagree with the predictions.” (A Briefer History of Time- P.14)

The same thing is written by the well-known physicist Sir Albert Einstein-

“No amount of experimentation can ever prove me right; a single experiment can prove me wrong.” (Meeting the standards in primary science- By Lynn D. Newton, p.21)

The writer of this book writes at page 21 quoting Karl Popper, the philosopher of Austria-

.... you can never prove or verify a theory, you can only ever disprove it. So, investigations and experiments serve the purpose of testing the idea but not to prove it to be true.

Here also, it's a question mark on the ambiguity of modern science-

Roger Penrose, the colleague of Stephen Hawking has also the same views, he writes-

“One might have thought that there is no real danger here because if the direction is wrong the experiment would disprove it, so that some new direction would be forced upon us. this is the traditional picture of how science progresses- But I fear that this is too stringent a criterion and definitely too idealistic a view of science in this modern world of ‘Big Science’. (The Road to Reality- P.1020)

See Sir Albert Einstein view again:

A theory can be proved by experiment, but no path leads from experiment to the birth of a theory.

## Review of mathematical criterion

**A**fter the comments of these two modern scientists about the experimental science, we also quote the views of eminent American physicist Richard P. Feynman about its mathematical base-

“But mathematical definitions can never work in the real world. A mathematical definition will be good for mathematics, in which all the logic can be followed out completely, but the physical world is complex. (Lectures on Physics- P.148)

He told further then that-

“I love nature, and I hate mathematics.” and

“Some things that satisfy the rules of algebra can be interesting to mathematics even though they don’t always represent a real situation.”

On the other side, well-known physicist Sir Albert Einstein states on this topic-

“As far as the laws of mathematics refer to reality, they are not certain, as far as they, they do not refer to reality”.

He further says-

**“I don’t believe in mathematics.”**

Bernoulli says about the mathematics that-

“it would be better for true physics if there were no mathematicians on earth.”

Readers should consider that they are great scientists, who have used mathematics in abundant in their experiments, and have given a great basis to science. **When they are not tied to the mathematics, then why is it necessary for me to explain the Vedic science through mathematical explanation?** Do they consider these modern scientists less knowledgeable than them?

Considering the opinion of these scientists, another scientist James Clark Maxwell's statement is-

“The true logic of the world is in the calculus of probabilities” (id. pg.64)

Feynman accepts it clearly-

“We do not yet know all basic laws. There is an expanding frontier of ignorance. (id. pg. 01)

## **Let's see a quaint trait of modern science-**

Stephen Hawking writes at one place on his website [www.hawking.org.uk](http://www.hawking.org.uk)-

One cannot ask whether the model represents reality, only whether it works. A model is a good model if first it interprets a wide range of observations, in terms of a simple and elegant model. And second, if the model makes definite predictions that can be tested and possibly falsified by observation.

Here Hawking himself is not only accepting the hollow or falsity of modern science, but also declaring it a trait or specialty of science to be falsified by observations. **How can such a false science be an evidence for any truth-seeking man? Do we, Vedic scientists need to get the certificate of authenticity from such science?**

# The Stubbornness of Scientists

I have been discussing the problems of modern physics with scientists of renowned scientific research institutes and other institutions of India like Bhabha Atomic Research Center (BARC) Mumbai and Tata Institute of Fundamental Research (TIFR) Mumbai, for the last 12-13 years. I get modern physics with many unsolved problems from this dialogue. Recently in August 2017, I went to the Department of Science and Technology, Government of India to discuss my Vedic Physics research. There is a wide range of discussion with a top official, who is also a physicist. He told me the universal discipline of modern science and suggested me: "Swami ji! You should publish your research paper in top level magazines. Articles should be written in the style of modern physics, in English and mathematics should also be abundant in that. If your articles are published in them, then the scientists themselves will start inviting you..... You should not write your articles like eminent American scientist Einstein and Peter Higgs, which took many decades to be proved. But instead you should write such articles on which we can get results immediately by experimenting those .... "

Dear readers! Should I write the articles and get tested those by modern physicists, who are involved in many problems in their own field, and declare their many results as false by introducing new results? If a person is wandering himself, how can he show the way to others? The Jury of the journals or the editor of the magazine, doesn't even invite the writer and discuss with him and unilaterally rejects many articles by judging on their own level, I know it very well.

There are many obstacles in publishing an article, which is contrary to the flow of modern science; it should be of any well-known scientist, I am well aware of it, it is not appropriate to give such evidences here. **In the publication of papers based on the same genre and tradition of the scientists, which is true in observation, experimentation or mathematical concepts in their view, have to face diverse conflicts and struggles, then the Vedic scientist like me with his separate style and against the flow of modern science, how can he get his articles published in their journals?** Although those scientists, who advised me to publish the paper, accepted this process to be painful and unfortunate.

**There has never been any attention of any scientist or Indian government in solving this misfortune. Unfortunately, the slavery of universal science has been embraced by putting off the wisdom. It is necessary to write this article only to awaken the embarrassed scientists and bureaucrats from such slavery.**

Now I examine the experiment process of modern science at my level, on which, views of many modern well-known scientists have been written-

# Examination of the Current Research Process

Science accepts the facts only when they are tested by available technology under the limits of science. Suppose a scientist is standing near a wall, but he has no means to measure the height of that wall. If any other person, who is capable of measuring the height from his own experience and tells the height, then the scientist will never consider the height measured by that person as scientific, even though depending on the resources, the scientist is not able to tell its height. It is surprising that the compulsion of technology, which is subordination for science, is not ready to listen to any minute and far-reaching intellectual. I would like to tell readers a story of my experience here. Once I requested Prof. A.R. Rao, Astronomy and Astrophysics professor at Tata Institute of Fundamental Research (TIFR) Mumbai, that they keep ready the measurement of radius of the Sun's nucleus, I am coming to Mumbai. When I reached, their calculation is approx. 1 lakh 66 thousand km, meaning that his calculations were not exact. Of course, the calculation of mathematics and many observations have been taken in his calculations. These calculations will be of his own, or of any other scientists, in the sight of modern scientists, it comes in the limits of science, even if it is told in approx. To say approx. 1,66,000 km. means that it is possible to exceed 400-500 km or less, when Prof. Rao asked me, I said that on the basis of the **Aitreya Brahmin** of **Maharishi Aitreya Mahidas**, the radius of the Sun's nucleus, is 1,50,545 km. My calculation is not in approx. There can't be a difference of even 1 km, whereas in the calculation of modern science, there is a possibility of a



gap of 400-500 km. **On this count of my calculations, these scientists will consider it as philosophical and Rao's calculation based on scientific facts, what kind of justice is it, what kind of science is it? It is different from the fact that I have compiled from which line of Maharishi Aitreya Mahidas's book, it is rarely possible that any other famous Sanskrit scholar of the world or Vaidic scholars can do it. I have just given an example of the radius of the sun's nucleus. There are hundreds of topics in my texts 'Ved Vigyan-Alok', which will take decades to think over those topics through the thinking process of modern science and will spend billions of dollars, but with my text, they will get all this, or can observe. Do scientists see this benefit less?**

Today, if I say that Dhananjay Vayu Rashmies travel faster than light, then the modern physicist refuses to believe by citing Einstein's theory of relativity, while they themselves describe the speed of space inflation at  $10^{28}$  km/sec, the speed, which is  $10^{20}$  times greater than speed of light. Where does the theory of relativity go? They don't know the structure of the space, however assume it to curve, distort, expand and inflate. They become silent on how a substance, which has no structure, can curve, distort or expand? If we tell the entire structure of space, then they ask us for experiment or mathematics. They don't know anything about Time, again they say it to be born at the time of Big Bang, stop at the Black Hole and lapse or increase in Relativity. **Well, how do they make such claims about the things about which they don't have any knowledge?** If we start to explain the Time in a systematic and logical manner, then they think it to be imagined. I am sure that they consider it scientific to use the mathematical explanations to make imaginary hypothesis in this universe, even if they are utterly misleading and irrational? I ask what is the basis of

mathematics? Is mathematics not dependent on logic? Then why avoid our logical arguments and intuition by simply calling it philosophy.

# Science and Philosophy

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**T**oday, the scientists, who try to ignore my “**Vedic Theory of the Universe**” as philosophy, I give them quotes of their own Max Born-

“I am now convinced that theoretical physics is actual philosophy”.

Now tell me, why don't you treat my theory as theoretical physics? I call it Vedic theoretical physics.

**I say this in such a way that theoretical physics is always born from Philosophy (philosophical, logical and systematic thinking) and when the limits of theoretical physics ceases, then logical thinking means philosophy only works, i.e. the end of the physics is in philosophy.** Yes, philosophy should be actual philosophy, whose basis is firmly rooted in the true, logic and intense intuition, not just the imagination as philosophy. In fact, in the name of philosophy, there is a lot of such fantasies around the world, that's why the ignorance towards it has arisen among the scientists. It is different from the fact that the scientists in cosmology are also continuous giving birth to various fantasies.

# Variable Modern Science

American astronomer Edwin Hubble concluded from the observation of the red shift that the universe is spreading at a rapid velocity. All galaxies are running away from each other with quick velocity. I wrote this in a letter to a renowned astronomer in India in 2004, then he ridiculed, "Swami ji! You think that the observations made by enlightened scientists for 70-80 years are false and you are right, it is not fair ... ". Many scientists in the world got Nobel prize on the research topic of expansion of the universe, but I never accepted it. In my first short book '**The Basic Material Cause of the Creation**', I have completely rejected the expansion of the universe by rapid velocity, but science only accepts anything from observation, mathematics, experimentation and testing, so what is my value? Now in the last 2016, the modern scientists realized half the truth that the universe has been expanding, but not with acceleration. They also accepted that giving Nobel Prize to that theory was wrong.

*"Instead of finding evidence to support the accelerated expansion of the Universe, Sarkar and his team say it looks like the Universe is expanding at a constant rate. If that's truly the case, it means we don't need dark energy to explain it.... Now, to be clear, this is just one study, and it's a big, extremely controversial claim that a Nobel Prize-winning discovery is fundamentally wrong. (Because I don't have to tell you that Nobel Prizes aren't given out lightly.)*

(<https://www.sciencealert.com/no-the-universe-is-not-expanding-at-an-accelerated-rate-say-physicists>)

I give another example - All the world's scientific market is hot regarding the black hole theory. I have seen

the rejection of the concept of the presently known Black Hole by Indian astronomer and my friend Prof. A.K. Mitra since August 2004. On 29th August 2013, I also sent 12 questions on modern physics to many famous scientific institutions and scientists of many countries, including Stephen Hawking. One of these questions was about the Black Hole. Nobody answered. Prof. Mitra said in a discussion that some of these questions cannot be answered even in 100 years. Stephen Hawking's technical assistant answered with a simple email. After that on January 24, 2014, Stephen Hawking issued a statement in the "Nature" journal and said that just like we believe there is no black hole in the universe. Now think, that their observation, testing and mathematics all were confirming Black Hole and that was confirmed scientific truth but now their own observations, tests and mathematics have falsified their scientific truth. **But Indian astronomer Prof. Mitra was not given the importance by Indian media, while Stephen Hawking, who turned down his own facts, became the headlines of the media. What type of this intellectual slavery is?** The modern science proudly calls itself dynamic for repeatedly changing its own facts. This alleged dynamic science invents technology based on half-truth considering them scientific truth. There is also somewhere in the ego of its dynamics, somewhere in professionalism and by tempting people to enjoy the means of pleasure, invents such technology, which shows fatal results after some years. **First, there is a huge amount of time and wealth spent in the research of harmful technology, and then the expenditure of money and time is done in the research of its adverse effects. After that, the same expenditure in the research of another technology again, similar expenditure in finding the adverse effects. It has been running for centuries and at present, the fatal-technologies based on the incomplete science are creating such environmental**

**crisis, due to which living on this earth will be impossible for all beings in the next 100-200 years. What the dynamics of science is this? What the power of science is this?** In fact, the modern science is acting like a child who runs without hearing anything, but just before reaching the goal, it comes to attention that why I have been sent here, I have not heard it. Due to this, the child runs back to the sender. It can also be understood from other examples in this way that **the modern science is like a miserable person searching for a way out of the forest, who doesn't consider the way right suggested by an experienced person, who is capable of guessing the path only by an intuition through his mind. He himself searches the path on the strength of his means. Many times, he wanders through the wrong path, sometimes he finds the path, even so, he considers this wandering and improving itself as its intelligence.**

# Modern Science and Logic

Actually, the modern science considers all the logic, thinking, intuition and meditation to be imaginary. He neglects saying it philosophical. I would like to ask scientist friends that, in the absence of logic, thinking and intuition, can experiments, observations ever inaugurate the truth? The same facts of modern science are false, which are not widely examined through logic, intuition, meditation etc., whereas those facts remain true, in which they are thought logically and carefully. Modern cosmology is a repository of many irrepressible observations, fictional mathematical concepts and experiments. Results of similar observations or experiments done with logic and deep consideration can be different, whereas ignorance of logic can lead to same conclusion. This is the reason that seeing the cosmic background radiation and red shift, the entire scientific world concluded such a Big Bang, whose root itself is problematic. Many questions on this are still unanswered, most scientists are not ready to renounce the persistence of the Big Bang. If a scientist proposes other reasons for cosmic background radiation, red shift and calls Big Bang a misconception, then it is neglected, what kind of science is it? Sometimes it looks like a 'mirage like' fictitious fantasy of modern science, which immediately concludes when there is a visible sight. **For this reason, the science is constantly changing, that is, continuously do mistakes and correct it, but not to accept any other's views, this has become the destiny of modern science.** It is practical, completely ignores the estimation and Word evidences (other credible evidence). That's why it is generating new crisis, not only for people but for the whole world with imperfect and flawed findings. This is our views on modern science.

# Consideration of Vaidic Science

**N**ow we consider the definition of the term 'science' according to Vaidic ideology-

This word is made from 'वि' पूर्वक 'ज्ञा अवबोधने' verbs of Sanskrit language, which means "a wide variety of comprehensive and systematic knowledge" is called science. Maharishi Dayanand writes in a chapter titled 'वेदविषय' in Rigvedadi Bhashya Bhoomika-

"Practice deeds, deep meditation or yogsadhana and knowledge, use them exclusively, realization of things from the God to the very micro elements of the nature and use them in the same way." is called science.

In its Sanskrit part, the sentence "पृथिवीतृणमारभ्य प्रकृतिपर्यन्तानां पदार्थानां ज्ञानेन यथावदुपकारग्रहणम्" which means "the real knowledge of macro elements of the universe to the very micro elements of the nature and use these things for himself and for other people's well-being is called science". On the other hand, in the booklet Aryoddeshyaratnamala, he gives the definition of Vidya, which is another name of science, writes-

"From which the true knowledge from the God to the earthly elements is known and get benefitted from them as possible, is called Vidya."

In these definitions, the knowledge of material substances as well as the lively substance of entire creation has also been included in the field of science.



# Science and God

**H**ere, we would like to say about the subject of animate substances that the modern science will always be problematic without including them. Which is told the fictional philosophical substance by the modern science, is the root cause of every force, action and energy of this universe. **When the root cause will not be concerned, then the conclusions of thinking on the branches will definitely be incomplete.** I know that by talking about animate, the modern scientist will start craving. For this reason, I am also quoting some well-known scientists here for your satisfaction about the topic of God-

*"The more I study science, the more I believe in God."*

*"I want to know how God created this world. I am not interested in this or that phenomenon, in the spectrum of this or that element. I want to know his thoughts."*

*(Albert Einstein)*

*"Those who say that the study of science makes a man an atheist must be rather silly."*

*(Max Born)*

*"If you study science deep enough and long enough, it will force you to believe in God."*

*(Lord William Kelvin)*

*"In the absence of any other proof, the thumb alone would convince me of God's existence."*

*(Sir Isaac Newton)*

*"Both religion and science require a belief in God. For believers, God is in the beginning, and for physicists He is at the end of all considerations."*

*(Max Planck)*

*"I have concluded that we are in a world made by rules created by an intelligence. Believe me, everything that we call chance today won't make sense anymore. To me it is clear that we exist in a plan which is governed by rules that were created, shaped by a universal intelligence and not by chance."*

*(Michio Kaku)*

*"Little science takes you away from God but more of it takes you to Him."*

*(Louis Pasteur)*

*"If we need an atheist for a debate, we go to the philosophy department. The physics department isn't much use."*

*(Robert Griffiths)*

*"An equation for me has no meaning unless it expresses a thought of God."*

*(Srinivasa Ramanujam)*

**[Source of all - Web]**

I think that, after all these evidences, it will take decades to accept it with wisdom. For this reason, I also limit my article to the material substances here. However, I will advise to read my book '**Ved Vigyan-Alok**' for this. **Albert Einstein** was eager to understand the functioning of God, if he were today, I would explain the mechanism of God in a scientific way. If a scientist wishes to understand this subject like Einstein, then I am ready for it.

# Method of Vaidic Science

Here, Maharishi Dayanand explains three means of true knowledge (science). Which are-

(1) karma, (2) knowledge, (3) deep meditation or yogsadhana

Of these, the use of observation, test, experiment etc. by modern science, can be considered under the Karma- first mean told by Maharishi. These works of the modern science are fair, but incompatibility with this method is that there is no place for knowledge and deep meditation or yogsadhana. Here we can take the meaning of knowledge from logic, intuition and Word evidences (other credible evidence). **Maharishi Yask called the logic as Rishi and the intuition as Brahma. Neglecting this, experiments, observations etc. can never result in undoubted results. Nobody can become a scientist without it.** We, Vedic philosopher or scientist believe direct, estimate and Word evidences (other credible evidence), these three evidences as the basis of truth. If any scientist ridicules it, I would like to tell them that your experiment and observation are forms of direct evidence. You experiment in one place and estimates about the whole universe. No scientist can observe the entire universe and can't experiment everywhere but apply the same conclusions everywhere. This is called the estimate (Anuman) evidence in the philosophical language. You saw the redshift and CMB, it was direct but assumed the reason that space is expanding, and the Big Band had happened. It was your estimate evidence not direct evidence. Then how can you be considered as positivist? No research is possible without the estimate evidence, yes you must have missed

something in the estimate evidence that you estimated the space expansion and Big Bang. If you had used the appropriate logic, intuition and meditation, then the conclusions were different. Real logic and intuition are the forms of this evidence. This evidence is the most comprehensive and important. Without it, it is not possible to survive for philosophy and modern physics. Mathematical interpretations are also forms of estimate evidence. Where the experiment and observation are not possible, the estimate evidence becomes the basis of knowledge. Yes, it is remarkable that **the insights of Siddha Yogis (Rishis) represent both the direct and the estimated areas. Modern scientists analyze the mysteries of the universe based on the information of different waves derived from the scientific experiments. They can analyze the molecules, particles or waves through those waves, which are macro than those waves. But when they want to analyze waves subtler than that observed wave, at this place the modern physics becomes helpless. This is the reason why the modern physics doesn't know anything about the structure of photons, quarks, gravitons, space etc.**

The Vaidic evidence is also very important in Vaidic view. Why anyone would accept God-inspired Vedas and the great Maharishis as evidence if he has no faith in them? For this reason, it is necessary to proceed in this subject gradually. There is also need of intuition, logic, meditation or yogsadhana etc. Nobody can become a scientist in their absence. As far as Word evidences (other credible evidence) is concerned, the modern scientists often use established scientific beliefs as a Word evidences (other credible evidence). **Just as the Planck constants, the Heisenberg's uncertainty principle, Einstein's theory of relativity etc. are presented as evidence, then to tell the evidence of the ancient sages and Vedas to be fictitious, is not the identity**

**of foreign intellectual slavery?** It is reasonable to be spontaneously not considered anything as an evidence, but it is not fair to deny a standard principle without any reason or logic. Now, discuss the final mean - deep meditation or yogsadhana. The point of deep meditation or yogsadhana to the modern scientists is superstitious or imaginary, but when they discuss the scientific existence and nature of God with us, they would seem to have lost their illusions. **When all the paths of true science are closed, or they are proven inadequate, then through God's meditation and yoga practice (upasana), Rishis or yogis used to get true scientific knowledge by applying their Manh (मनः) Rashmies to the microscopic waves up to very huge galaxies. This science was often doubtless.** An error is possible in these physical instruments, but the science of Rishis often doubtless but it is necessary that the person is a yogi, and not in the present name, he is going to act in the name of yoga. **Unfortunately, in the present age, no yogi is being seen or heard in this world.** It is important to note that the scientific truth, which is experimented and observed through the available technical limits with the help of vaidic science's logic, intuition is full evident.

Thus, it is clear that the definition of science given by Maharishi Dayanand is very broad and systematic than the modern definition. The modern scientists should consider this, not to be restricted to the boundaries of their definitions and experiments, observations, tests and mathematics, and to urge others to be tied to this method. If we cannot adopt any other method, then we should not urge the researcher of another method to follow our method. I would like to end it by giving an example-

# One Goal, Many Ways

**C**urrently the Allopathy system of medicine is the most comprehensive in the world. While Ayurveda was the universal method in ancient time. The fundamental principle, the medical process and the methodology also differ substantially in both the methods. Even so, both the methods make the patient healthy. Ayurveda, not Allopathy is successful in many incurable and chronic diseases. I have seen many Allopathic doctors wandering for Ayurvedic and Naturopathy doctors for their treatment. In such a case, if the Allopathy doctor examines the Ayurvedic doctor's method with his own way, will it not be wrong?

In addition to these two, homeopathy, which is also slightly different from Ayurveda and Naturopathy, is able to remove the disease without any medicines. There is no link of these with the Allopathy. Even in such a situation, all these methods are prevalent in the world and are providing health to the human from their level and the Govt. is supporting all these methods. Then why the condition of getting the certificate of authenticity from modern scientists, writing articles in the style of modern physics, who is also suffering from many problems, is proposed to the researchers of different genres, Vedic researchers? Why cannot the examination of Vedic science be done by serious communication with us and knowing the logicity of our thoughts and views regarding the solution of the serious problems of modern physics? Otherwise, can the Indian government not operate a separate department like Ayurveda for research on our Vedic science? **Although the method may be many, but the body is one for everyone,**

that's why all the methods are being used successfully. Similarly, the methods are separate, but the universe is same for both of us. If the results are logical from both the modern physics and the Vedic physics, then why should not the nation and the world get more pure and comprehensive science and the harmless technical science through mutual cooperation and dialogue?

## Form of Vaidic Science

**T**hose who ask for the evidences of experiments, tests and mathematics from me, then they should first prove the above quoted scientists unscientific, if they can't, then I present the views of well-known scientist Richard Feynman-

*“There are theoretical physicists who imagine, deduce and guess at new laws, but do not experiment, and there is experimental physicist who experiment, imagine, deduce and guess.”*

**I am giving you such a theory that explains the creation in a completely logical and orderly manner, as all of your experiments, observation and mathematics can't do. I am telling you the path of research for a century, which will continue to show the path to theoretical physics, then you, all the experimental physicist and mathematicians in the world, try to develop the appropriate mathematics for my theory, and start a series of experiments and tests, I'll be with you.**

When you can experiment the imagination of Higgs Boson by Peter Higgs and the Einstein's Gravitational waves for decades with patience and faith, then why no one is willing to do anything or consider the great science of the ancient sages. **I will give you far more or hundreds of logical ideas than Peter Higgs or Einstein, which can rejuvenate your theoretical physics. Yes, if you don't find our Vedic science logical, then give up, but it will also be examined only when you and we sit together and start communicating mutually.**



Here the blind devotees of the modern science who says to me as orthodox, “what the people of Vedas have done?” First do something and then comment on the modern science. "I would like to say to all those that I don't want to talk about the whole world. When we talk about our country, modern scientists get all the resources from the taxes of citizens, who is helping the Vedic scholars? Then they expect us to do all this, is not fair. Let me clarify that what direction the scientist can get after the expenditure of billions-trillion dollars in the CERN, the world's largest laboratory, my text '**Ved Vigyan-Alok**' is able to give more than that. If someone doesn't believe, then read, and if he doesn't understand, then discuss with us. What more can I say? Just they should tell that what special achievement did CERN received in the last 50 years?

# Problems of Modern Science and Solutions

**F**riends! You are unaware that the modern theoretical physics is going through a serious crisis today. This can be seen on the CERN website itself-

*...without new discoveries it's hard to keep a younger generation interested: "If both the LHC and the upcoming cosmological surveys find no new physics, it will be difficult to motivate new theorists. If you don't know where to go or what to look for, it's hard to see in which direction your research should go and which ideas you should explore." ...*

(In Theory: Is theoretical physics in crisis? Posted by Harriet Kim Jarlett on 18 May 2016.)

Other scientists sadly write about this-

*"All of the theoretical work that's been done since the 1970s has not produced a single successful prediction,"* says **Neil Turok**, Director of the Perimeter Institute for Theoretical Physics in Waterloo, Canada

**Hossenfelder** argues that many physicists working today have been led astray by mathematics — seduced by equations that might be "beautiful" or "elegant", but which lack obvious connection to the real world.

*"I can't believe what this once-venerable profession has become,"* she writes. *"Theoretical physicists used to explain what was observed. Now they try to explain why they can't explain what was not observed. And they're not even good at that."*

(<https://www.nbcnews.com/mach/science/why-some-scientists-say-physics-has-gone-rails-ncna879346>)

It is clear through all these examples that scientists themselves accept that there is a huge crisis before them. They are not finding anything new. All the paths seem blocked. Now think that in such a situation if we give a logical and systematic Vedic theory to move you from this crisis, should you refute it by referring to the difference in the systems? Or with our help, you should try to overcome problems of modern physics. **Just think, if a patient is not getting healthy from Allopathy then will you stop him from taking the medicine of Ayurveda and Naturopathy, because you have differences with these methods. You can accept the death of the patient, but not the treatment by different method, that is, the problems of the universe remain unsolved, but the aid of Vedic Theory is not accepted. Various fictional theories based on the mathematics and experiments are scientific, but our strong logical theory is not accepted.** If we ask questions on modern physics, then you can't answer, and don't listen to our Vedic theories, then how will you ask the question on that? This is what I give the name of orthodoxy. This orthodoxy was once adopted by the Pope towards scientists such as the Galileo and Bruno, then those scientists had told the Pope: "Today, whether you accept our words or not, but your future generation will not believe in the Bible and will accept our science." This thing is proving true today.

My scientist friends! I am also advising you that **you should not become a Pope of the scientific world today. Whether you believe today or not, your generation will be forced to come towards our Vedic science, yes, by then you will have spent trillions of dollars of the world. And based on incomplete physics, you will have destructed the environment and soil by technology that staying here will be very painful or impossible. For this reason, my advice is that as soon as you accept my words, it will be better for the humanity. I would say to you that you should aware me**

about the problems of theoretical physics that you can't solve, explain them to me what problems they are? Then I will take some time to try to give solutions to those problems through my theory, but you should not expect me to have mathematics and experiments in that solution. I will only try to give solution in a pure logical and systematic manner. You should try to do the work of mathematics and experiments and then we and you will try to solve the problems of modern physics. **For example, you say that the gravity is not really any force but due to mass, space curves and gives way to any particle or quanta. Now I will ask why mass or charge curve the space? What is its mechanism?** Then you can't answer it, then ask me, I will explain your general relativity through Vaidic method. Where there will also be gravitation force, space curvature, also systematic and logical structure of space and the proper mechanism of curvature of space by mass and charge. Along with this, there will also be a scientific explanation of Graviton, Mass and Charge, also the structure of Graviton. Now tell me what I have taken from you, **while I am ready to give you so many information that you could hardly get in next 50 years.** For this reason, I will request not only the scientists of the world, but all the responsible persons, that they should think over these ideas with absolute neutrality, this will be beneficial for whole humanity. I want to tell you for your concern that when the Nobel prize was announced to the 3 American scientists for the discovery of gravitational waves on 3 October 2017, then I asked 9 questions on this research to the Chairman, Nobel Foundation, the three-winner scientist, NASA, CERN's Physics Department, top 40 universities of 27 countries of the world, all Physics Research Centers in India, all Central Universities and Physics Departments of IITs. I also promised to give the answers to those questions through Vaidic physics, but often there is a

neglect in everyone. Nobel prize winner Kip Thorne written me-

*“Unfortunately, I am so overwhelmed that I am unable to answer questions at this time - and most likely not until 2018.”*

NASA wrote a letter but avoided answering my questions. Some Indian professors also responded with same avoiding nature, but from nowhere such a curiosity has seen that what does Vaidic science answer to those unanswered questions? In fact, this is just an arrogance of modern scientists on their scientific nature and its method. They should avoid this arrogance, then they will be able to give something new to the world by taking modern physics out form the crisis. I have recently sent 100 questions to all these scientific institutions, but they are often all silent.

Yes, it is satisfying that some young researchers and junior professors are interested in our work and are eager to work with us. It is also good that in the rule of Modi Govt., some work is being done in the field of Sanskrit language, ancient Vaidic literature and Sanskrit literature in some of the Indian universities and IIT's. In other countries like America, England, Germany etc. attempts are being made in the research of Vaidic literature, ancient Indian Sanskrit language. But I find that this entire work is confined to technical knowledge only. **Some noblemen think science as only technical knowledge, and theoretical field is ignored, while it is the root of whole science. That's why the focus of the world is not towards the research and study of whole Vedas, Brahmanical texts etc. I would also like to state that the study of these are not possible on the basis of Sanskrit language and grammar.** As long as noblemen

having scientific intellect don't understand the manner and meaning of these great texts with the meditation and grace of God, it will be difficult to understand these texts in the same way as only being a scholar of English language a person can't become a scientist by reading books, unless he has focus on the tradition and manners of science. Because of this, the persons working in this field should be especially careful.

Those noblemen, who considers that I am talking only imaginary things, because unfortunately almost all the Sadhus do meaningless things, then I am citing those 100 questions here-

1. What is the initial state of universe?

## String Theory

2. What are strings?

3. Are they eternal entities?

4. If not, then from which are they made?

5. Are they have mass?

6. If the strings are the vibrating entities, then in which medium they vibrate?

7. What is the source of their energy?

8. What are the Branes?

9. What is their structure?

10. Are they eternal?

11. If not, then how are they made?

## Ekpyrotic Universe

12. What is the mechanism of Branes collision?

13. Which field is responsible for attraction and repulsion of Branes?

14. This is a cyclic process, then will there not be any depletion of energy in this process? If yes, then this cycle will end in future and it must have started in past.
15. Then, what is the reason of that beginning? If there were mass and charge already in them, then why universe not be created by itself? Why the collision is needed?

## Big Bounce

16. When universe collapsed completely due to gravity, then which force is responsible for Big bang or Big bounce? How did this force originate?
17. Did time cease to zero at Big Bounce?
18. If yes, how did it start again?
19. What was the form of matter at that time?

## Cyclic Universe

20. What is the cause of very first Big Bang?
21. How will compression start after the completion of expansion, when gravitational force is not predominant?
22. How the kinetic energy is continuously increasing in successive evolution of the universe? Was kinetic energy zero in the beginning?

## Bubble Universe

23. What is the difference between negative and positive energy?
24. What is the mechanism of formation of negative and positive energy from nothing?
25. How does the Laws of Physics originate?

## Big Bang Theory

26. What was the form of matter before Big bang? How did that matter form?

27. Which force infinitely condensed that material? What was the source of that force?
28. How is it possible to have any type of exchange process in zero volume?
29. Modern science considers the exchange of certain mediator particles for the cause of all the fundamental forces, then which particles were exchanged in that infinitely dense material?
30. Which energy or force is responsible to do that great explosion, even in the presence of such a most strong force?
31. What are causes the inflation?
32. If inflation is due to anti-gravity, then what causes gravity to act as anti-gravity?
33. When and how inflation field created and what is its source?
34. How does symmetry break and what is its cause?
35. Is there any other force in universe responsible for symmetry breaking?
36. What is the mechanism of separation of four fundamental forces?
37. How did they originate?
38. In which form, energy was present before  $10^{-43}$  second?
39. If it was in the form of photons, then electromagnetic force must be present at that time, but no one accept this, why?
40. Gravitational force is produced firstly from unified force, while Einstein proposed that gravitational force is not a force but only curvature of space-time, then what exactly is gravitational force?

## Time

41. What is time?
42. How does time originate?



- 43. How does it begin at the time of Big Bang?
- 44. Is the time an illusion or some real entity?
- 45. What is its role in the universe?
- 46. What we mean by negative and zero time?
- 47. Unless we know its true nature, how can we say that it will be negative or zero?

## Space

- 48. What is space?
- 49. What is its role in the universe?
- 50. Scientists consider and show space like a sheet or net, but nobody knows what really its structure is?
- 51. What is the mechanism of its formation?
- 52. Is space a real thing, which bends by a massive object, in which ripples are produced and which expands and distorts?
- 53. What are its contents?
- 54. Why does space interact with massive and charged objects?
- 55. What is the relation between space and mass/charge?
- 56. Is there availability of mass and charge in space?
- 57. We talk of space-time singularity but what is relation between space and time and why?
- 58. If space is an imaginary thing, then its expansion, distortion, bending and singularity also should be imaginary, then how can we understand the real world by imaginary things?

## Red Shift and CMB

- 59. Are the EM waves are attached with space?
- 60. If yes then wave will not have its own speed, but it will travel with the speed of space, which will be Hubble speed in present time.

61. At the time of Big Bang, all energy will travel with space ( $10^{28}$  m/s). Then, how can energy be condensed to form the celestial bodies?
62. Are all celestial bodies and particles also attached with space? If yes, then they will never combine with one another and they will travel with speed of space only.
63. If EM wave isn't attached with space, then what is the cause of redshift?
64. Expansion of space can only affect waves not molecules, atoms etc., why?
65. Why expansion of space can only affect galaxies and not the stars, planets & satellites?
66. CMB radiation, which was released before 13 Billion years, then how can it be received by us now, while universe is expanding with an accelerated rate?
67. If this radiation is continuously received by us, then its temperature cannot be same everywhere in the universe.

## Elementary Particles

68. How do Graviton or other mediator particles form?
69. How do Photons and elementary particles form in the primary stage of the universe?
70. What is their structure?
71. Why Gravitation force is weakest force?

## Mass

72. What exactly the Mass is?
73. How does property of Mass originate?
74. If answer is Higgs field, then what is the cause of mass of its' quanta (Higgs Boson  $\sim 125 \text{ GeV}/c^2$ )?
75. If we say that this mass is created from energy at the time of Big Bang, then question arises that if a very massive particle (Higgs boson) can be produced by that energy,

then why an electron of exceedingly small mass can't be produced from that energy?

## Charge

76. What is the fundamental cause of showing property of charge by matter?
77. If it is created from energy (pair production), then does it not mean that photon has same content as of electron and positron?
78. What are those fundamental entities, from which property of charge originates?
79. What is the link between energy and charge?
80. If Peter Higgs imagined Higgs field for fundamental property like mass, then why I should not imagine another field for fundamental property like electric charge?
81. Also, for different types of charge (color charge...), there should be different types of field. Will you accept it?
82. What is the difference between the contents of opposite charged particles?
83. Why do virtual photons exchange between the charges, when these are massless and have no electric charge?
84. Why these photons cannot be seen or detected?
85. Why they exist for a short time?
86. Which force is responsible for this exchange?
87. What does an electric field consist of?
88. How charged particle creates an electric field?
89. What is the form of vacuum energy and how does it originate?
90. What is the mechanism of origin of field particle from vacuum energy?
91. What is the mechanism of attraction of two opposite charged particles through the exchange of field particles?

## Energy and Dark Energy

92. What is energy?
93. How does it originate?
94. How does mass originate from energy?
95. What is its' mechanism?
96. What is the mechanism of transformation of one form of energy to another?
97. What is the dark matter and how & from which is it made?
98. What is the dark energy and how does it create?
99. What is the relation between dark matter and dark energy?
100. What is the mechanism of holding the stars in any galaxy by their galactic center?

Readers are requested to think over these questions sufficiently. Ask your scientist friends in India or abroad, if you find answers then inform me. I will be grateful to you and them for this. If answers are not found then I will eager to answer these questions, which are very difficult but not related to any misconception of modern science, in any conference.

Hope that the reader and the people responsible for the country and the world will think logically in this direction and work together in the real welfare of the country and the world.

**-Acharya Agnivrat Naishthik**

# Polite Request

Dear readers! we hope that you have understood the research and the importance of Acharyaji. If your heart and mind are excited for this unique research of the Vedas and you want to help us, then you can become a partner in our yajnya as follows:

1. By donating minimum of Rs. **12,000/-** per annum or minimum one lakh rupees one time and you can become Associate patrons of our trust. You will be invited as special guest in trust's annual meeting, which often happens on the occasion of the annual summit.
2. By donating a minimum of Rs **6,000/-** per annum or at least Rs **50,000/-** one time and you can become Specially invited member. You will also be invited as special guest on the occasion of the annual meeting.
3. By donating a minimum of Rs. **1,000/-** per annum or one hundred per month continuously and you can be an Associate member.

**Note-** All above mentioned members will be sent an annual audit report of the trust by C.A. Those noblemen, who cannot donate themselves, they can join at least 8 other members etc. by motivating others and become free members of the same category or Associate Patrons.

4. Old intellectual scholars, sannyasis, sages, great scientist, other noblemen can give their blessings and intellectual support.

5. Students, farmers, workers, traders etc. can cooperate in accordance with their sacred devotion and strength.

## Special Request

This is Very Holy work, so according to the emotions of Acharyaji we are not able to accept the donations from the people whose live is related to any of this **profession like-Smuggling, Violence, theft, sexuality enhancer products, selling of intoxication products, Betrayal, Exploitation etc.** Yes, anyone who want to join us by leaving these professions, then we will welcome them.

Please draw your **Check/Draft/Money Order** etc. in the name of **Pramukh, Shri Vaidic Swasti Pantha Nyas, PAN No. AAATV7229A.**

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A/c Number	4474000100005849
Branch	Bhinmal
IFS Code	PUNB0447400

OR

Bank Name	State Bank of India
A/c Holder	Pramukh, Shri Vaidic Swasti Pantha Nyas
A/c Number	61001839825
Branch	Khari Road, Bhinmal
IFS Code	SBIN0031180

You can donate us in these bank accounts but after that you must inform us as soon as possible, so that we can send you a receipt of the donation made by you.

**Note- Donations made to the trust is non-taxable under the Indian Income Tax Act, section 80G**

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# 10 principles of Arya Samaj

1. Pameshwar (God) is the original source of all true knowledge and of all object/matter that are known through knowledge.
2. Ishwar is existent, conscious, blissful, formless, almighty, just, merciful, unborn, infinite, unchangeable, beginning less, unequalled, ruler of all, keeper of the universe, omnipresent, omniscient, unageing, immortal, fearless, eternal, pure and the creator, maintainer and destroyer of the universe. It is necessary to do Upasana to that Ishwar (God) alone!
3. The Ved is the scripture of all true knowledge. It is the main Dharm (duty) of all Aaryas (noble person) to study, teach, hear/accept the Ved.
4. One should always be prepared to accept the truth and reject the untruth.
5. All deeds/acts should be done in accordance with Dharm i.e, after considering what is true and what is not true, what is good and what is bad.
6. The main purpose of this foundation (Aaya Samaj) is the wellbeing/prosperity of the world i.e. the promotion of physical, spiritual and social interests.
7. One should treat everyone with respect according to their deeds/merits in accordance with Dharm.
8. Ignorance must be annulled and knowledge must be promoted/spread.
9. One should not be satisfied with his/her progress only but must consider the promotion of progress of all as his/her own progress.
10. All men should submit to the laws for the advancement of society as a whole, and all are free to submit to each law for the advancement of the individual.

Maharshi Swami Dayanand Saraswati





**Presenting the book "VedVigyan-Alok" to honorable  
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“

Modern Physics appears to be incomplete,  
helpless and entangled in many conflicts.  
It's my aim to support that helpless,  
incomplete modern Physics.

- Acharya Agnivrat Naishthik



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