

# Physics, Metaphysics and Cosmology in the light of Holy Quran

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## Abstract

*The Holy Qur'an is filled up with intelligent data, information, messages with wisdom about scientific facts, figures and statements in an excellent manner. As science and technology continue to progress, the verses of the Qur'an continue to reveal the truth of this divine book. Indeed this is the truth: the word of the Almighty Allah, who is the Originator of everything, and the One who encompasses all with His infinite knowledge. This was revealed in the first five verses of the Quran:*

*Read in the name of your Lord (God) Who has created (all that exists),  
He (God) has created man from a clot (a piece of thick coagulated blood),  
Read and your Lord (God) is the most Generous,  
Who (God) has taught (the writing) by the pen,  
He (God) has taught mankind that which they knew not" (Quran 96: 1-5)*

*Among the many scientific facts that are mentioned in the Holy Quran are: physics, metaphysics, astronomy, cosmology, expansion of the universe, the relativity of time, the existence of "black holes," matter and anti-matter, dark matters, Gravitational Waves etc. In the case of Physics, the Quran gives an accurate account of the formation of the Universes, it mentions the Big Bang theory and the expansion of the universe, among other facts, "The heaven, we have built it with power. Verily, we are expanding it" (51:47). The Quran had also indicated the possibility that one day men will conquest space. Metaphysical concept of Creation (Makhlūq) and Creator (Khāleq) became evident to realize the ultimate truth. Quran expresses scientific truths using signs and symbols to avoid confusions. The origin and evolution of the Universe is included in cosmology. Cosmological theories are based on the idea that on large scales, the universe looks the same at all locations and in every direction. Some of the theories relating to the creation of the universe have been verified as facts, whereas some others are still being explored. Most of the findings of these scientific facts are mentioned in the Holy Quran that was revealed more than 1400 years ago. It has been understood that Al-Quran initiated a different thinking process amongst scientists and scholars which led them to reassess their measurements and to develop new methods for further investigation.*

*The paper attempts to address the above issues, elucidating both the experimental scientific findings. Contributions of the Quran to physics, metaphysics and cosmology are presented in tabular form.*

**Keywords:** Quran, Physics, Metaphysics, Cosmology, Astronomy, Matter and Antimatter, Black hole.

## 1. INTRODUCTION

The Holy Quran in many verses revealed the facts and figures about the creation of Physical world, the processes, the deep understanding, similarity and connectivity of these phenomena, Metaphysics and Cosmology. As per Quran:

"Do they not then consider the Quran carefully? Had it been from other than Allah, they would surely have found therein many contradictions." [Quran 4:82]

The creation of the universe (space) is the cause of the "phenomenon of time."

Physics deals with the structure of matter and the interactions between the fundamental constituents of the observable universe. Its scope of study encompasses not only the behavior of objects under the action of given forces but also the nature and origin of gravitational, electromagnetic, and nuclear force fields. Physics is the basic physical science. Its aim is the discovery and formulation of the fundamental laws of nature. Branches of physics are classical, Quantum and modern physics. The fields are:

Quantum mechanics, gravitation, heat, thermodynamics, and statistical mechanics, electricity and magnetism, Optics, Atomic and chemical physics, Condensed-matter physics, Nuclear physics, Particle physics etc.

Metaphysics is the branch of philosophy concerned with the nature of existence, being and the world.

Metaphysics can be viewed as: (1) an inquiry into what exists, or what really exists; (2) the science of reality, as opposed to appearance; (3) the study of the world as a whole; (4) a theory of first principles.

Cosmology is a branch of astronomy that involves the origin and evolution of the universe, from the Big Bang to today and on into the future. According to NASA, the definition of cosmology is "the scientific study of the large scale properties of the universe as a whole."

Physical cosmology is the branch of physics and astrophysics that deals with the study of the physical origins and evolution of the Universe. It also includes the study of the nature of the Universe on a large scale. In its earliest form, it was what is now known as "celestial mechanics", the study of the heavens.

In physical cosmology, cosmic inflation, cosmological inflation or just inflation is the theorized exponential expansion of the universe at the end of the grand unification epoch,  $10^{-36}$  seconds after the Big Bang, driven by a negative-pressure vacuum energy density. The term "inflation" is also used to refer to the hypothesis that inflation occurred, to the theory of inflation, or to the inflationary epoch. The inflationary hypothesis was proposed by American physicist Alan Guth in 1980.

To understand scientific phenomena like physics, metaphysics and cosmology, Quran gave importance to observation: as mentioned in Sura Yunus Say: "Behold all that is In the heavens and on earth" (Sura Yunus 10:101) and in sura Ankabut Say: "Travel through the earth And see how God did Originate creation; so will God produce a later creation: For God has Power over all Things (Sura Ankabut 29:20)

Contribution of Nobel Quran to physics, metaphysics and cosmology is presented in tabular form.

**TABLE 1**  
**The Origin of the Universe**

Qur'an	Modern science
<p>"Then He turned to the heaven when it was smoke..." (Quran, 41:11)</p> <p>"Have not those who disbelieved known that the heavens and the earth were one connected entity, then We separated them?..." (Quran, 21:30)</p> <p>"Verily in the creation of the heavens and the earth, and the alternation of night and day – there are indeed signs for men of understanding; Men who remember Allah, standing, sitting, and lying down on their sides, and contemplate the creation of the heavens and the earth (with the thought): 'Our Lord! Not for nothing have You created (all) this' (3:190).</p>  <p style="text-align: center;">Fig. 1</p> <p>A new star forming out of a cloud of gas and dust (nebula), which is one of the remnants of the 'smoke' that was the origin of the whole universe. (The Space Atlas, Heather and Henbest, p. 50.)</p>	<p>The science of modern cosmology, observational and theoretical, clearly indicates that, at one point in time, the whole universe was nothing but a cloud of 'smoke' (i.e. an opaque highly dense and hot gaseous composition). This is one of the undisputed principles of standard modern cosmology. Scientists now can observe new stars forming out of the remnants of that 'smoke' Because the earth and the heavens above (the sun, the moon, stars, planets, galaxies, etc.) have been formed from this same 'smoke,' we conclude that the earth and the heavens were one connected entity. Then out of this homogeneous 'smoke,' they formed and separated from each other. God has said in the Quran.</p>

**The Gaseous Material**

Qur'an	Modern science
<p>The Qur'an mentioned that the Universe originated from a "gaseous material"                      "Then He took hold of the sky when it was smoke" Qur'an, (41:11)</p>	<p>Scientists have recently confirmed that the Universe did originate from a gaseous mass composed of hydrogen and helium, a big mass of hot gases, a mass over 300,000 times that of earth. That mass then fragmented to form galaxies</p>

**The Plurality of the World**

Qur'an	Modern science
<p>"Praise be to Allah, Lord of the Worlds"(Qur'an, 1:1)</p>	<p>There is the Physical world, the spiritual world, unseen worlds the world of microorganisms etc.</p>

**The Big Bang!**

Qur'an	Modern science
<p>"Do not the unbelievers see that the Heavens and the earth were joined together, then We split them apart." (Quran 21:30)                      The Quran says, "...the heavens and the earth were a joined entity, and We separated them and made from water every living thing" (21:30).</p>	<p>Here "joined entity" refers to the singularity and the separation refers to the Big Bang.                      Currently, the Big Bang model of the origin of the universe is the cosmological paradigm most widely accepted by astronomers. It holds that about 15 billion years ago the universe began with the explosive expansion of a single, extremely dense matter, the primordial mass.</p>

**Parting the Heaven and the Earth**

Qur'an	Modern Science
<p>"Do not the disbelievers see that the heavens and the earth were up a closed –mass, and then we opened them out? And we made from water every living thing. Will they not then believe?"(Qur'an, 21-31)</p>	<p>This is explained by Physics as the separation process of a primary single mass whose elements were initially fused together.</p>

**Expansion of the Universe**

Qur'an	Modern science
<p>"And it is We who have constructed the heaven with might, and verily, it is We who are steadily expanding it."                      (The Qur'an, 51:47)                      "And the heaven, we have built it with power. Verily, we are expanding it."                      (Sura Al Zariyat 51:47)</p>	<p>The research, observations, and calculations carried out by means of modern technology, however, have revealed that the universe in fact had a beginning, and that it constantly "expands". Lemaitre theoretically calculated that the universe is in constant motion and that it is expanding                      (Belgian cosmologist Georges)</p>
<p>"And the firmament, We constructed with power and skill and verily We are expanding it." (Quran 51:47)</p>	<p>This fact was proved also by observational data in 1929. While observing the sky with a telescope, Edwin Hubble, the American astronomer, discovered that the stars and galaxies were constantly moving away from each other. A universe where everything constantly moves away from everything else implied a constantly expanding universe.</p>

**The Relativity of the Time**

Qur'an	Modern science
<p>"He directs the affairs from heavens to the earth; then it ascends unto Him on a day, the measure of which is (as) a thousand years of your reckoning." (Surah 32, Ayah 5)</p>	<p>According to the theory of relativity, the time change of a fast moving object is very real and has nothing to do with any mechanical changes that take place in a clock because of its motion. The relativity theory postulates that the maximum speed attainable is that of the speed of light. Our physical reality goes from zero speed to the speed of light. And beyond this barrier, there may be another reality that has speed range from the speed of light to, perhaps, a much faster speed. that time has a relativistic property</p>

**The Contraction of the Universe and the Reversal of Time**

Qur'an	Modern science
<p>"The day" when, We shall roll up the heavens as a recorder rolls up a written scroll. As, We began the first creation We shall repeat it. Qur'an Chapter 21 Verse 104</p> <p>And you will see each nation humbled, each nation called to its record. And it will be said to them: This day you are repaid for what you used to do. Qur'an Chapter 45 Verse 28 (time reversal)</p>	<p>physicists like Michael Berry, Thomas Gold, and Steven Hawking have proposed that time may reverse when the universe begins to contract. Verses in the Quran suggest that one day the universe will start contracting and this will coincide with beginning of the Day of Judgment.</p> <p>The playing back of time will cause people to see what they had done previously</p>

**Formation of the Universe**

Qur'an	Modern science
<p>"Moreover He comprehended in His design the sky, and it had been (as) smoke: He said to it and to the earth: 'Come ye together, willingly or unwillingly.' They said: 'We do come (together), in willing obedience.' So He completed them as seven firmaments in two Days, and He assigned to each heaven its duty and command. And We adorned the lower heaven with lights, and (provided it) with guard. Such is the Decree of (Him) the Exalted in Might, Full of Knowledge. (The Noble Quran, 41:11-12)"</p>	<p>"The universe be consisted of compact ball of hydrogen -- protons, neutrons, electrons, and their anti-particles -- plus radiation. There were not differentiated planets, stars, suns, galaxies. Five billion years ago, the compact hydrogen soup blasted apart with huge force, matter was hurled in all directions, and the universe doubled in size.</p>

**About the Creation of Heaven and Earth**

Qur'an	Modern science
<p>He created the heavens and the earth in true proportions. He makes the night overlap the day, and the day overlap the night. He has subjected the sun and the moon to His law; each one follows a course for a time appointed..." (39:5).</p>	<p>Scientific discoveries have proved that we live in a huge universe that depends on revolution.</p>
<p>"And the moon, WE (ALLAH) have measured for it mansions (to traverse), till it returns like the old dried, curved date stalk. It is not for the sun to overtake the moon, nor does the night outstrips the day and they all float, each in an orbit."</p>	<p>Modern science informed us that the moon is moving around the Earth in an oval or elliptical orbit. Also the Earth and the rest of the planets, revolve in oval, or elliptical orbit around the sun. The sun and moon each rotates in its own orbit. The moon starts as a crescent then becomes full moon and then half moon then crescent</p>

**About the Period of creation**

<p>“And verily we created the heavens and the earth and all that is between them in six days, and naught of weariness touched us”(Qur’an, 50:38 , also V. 15)                  “A day whereof the measure is a thousand years of your reckoning”(Qur’an, 32:5)</p>	<p>These ‘days’ could mean ‘long periods of time’, an indefinite period of time, always long. It could be ‘Six’ periods or ‘six’ events. (A day whereof the measure is 50,000 years.)</p>
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**Vibration and Earth**

Qur’an	Modern science
<p>“...And (further) you see the earth barren and lifeless, but when We pour down rain on it, it is stirred (to life), (oscillates), it swells and it puts forth every kind of beautiful growth (in pairs).” (Surah 22, Ayah 5)                  “And among His Signs in this: thou seest the earth barren and desolate; but when We send down rain to it, it is stirred to life (oscillates) and yields increase. Truly, He Who gives life to the (dead) earth can surely give life to (men) who are dead. For He has power over all things.” (Surah 41, Ayah 39)</p>	<p>Vibrations occur regularly in our surroundings. These are motions that repeat themselves. The oscillations of the molecules of the air transmit the sensation of sound, oscillation of the atoms in a solid convey the sensation of temperature and the waves of the electrons transmitted from the antenna of radio and TV transmitters to the receivers. The exact mechanism of the above phenomenon is clearly described in Qur’an in case of vibration</p>

**Creation of Matter**

Qur’an	Modern science
<p>“He it is Who has created the heavens and the earth with truth, and on the day He says: Be, it is. His word is the truth.” (Al-An ‘am, 73)</p>	<p>The atom, the building-block of matter, came into being after the Big Bang. These atoms then came together to make up the universe with its stars, the Earth and the Sun. Afterwards, the same atoms established life on the earth,</p>

**Formation of Iron**

Qur’an	Modern science
<p>“...And We have sent down iron, in it is great strength”(Qur’an 57:25)                  “This is no less than a reminder to (all) the worlds. And you shall certainly know the truth of it(all) after a while.”(Qur’an, 38:87-88)</p>	<p>It is in agreement with the modern theory of material science: Iron was introduced on earth at a later stage than when the earth was initially formed.</p>

**Electromagnetic Spectrum and Visible Light**

Qur’an	Modern science
<p>“All praise is due to Allah, Who created the heavens and the earth and made the darkness and the light; yet those who disbelieve set up equals with their Lord.” Qur’an, (6-1)                  The word for "darkness" in the Qur'an is always in the plural. The Arabic word, "<i>ththulumat</i>," is used in the plural in 23 verses of the Qur'an, and never used in the singular.                  Quran is very accurate in using the plural for darkness (frequencies other than the visible spectrum) because they have much greater range of frequencies. Hence, we can safely conclude that in Quran terms used in this Ayah نور is the 'visible light spectrum' and ظلمات are X-Rays,</p>	<p>Scientists discovered that Wave lengths vary in a form of energy known as electromagnetic radiation. All the different forms of electromagnetic radiation behave as energy waves in space.                  The waves that accompany light are made up of oscillating, or vibrating, electric and magnetic fields, which are force fields that surround charged particles and influence other charged particles in their vicinity. These waves are known as electromagnetic waves.                  The electromagnetic spectrum refers to the entire range of frequencies or wavelengths of</p>

gamma Rays, Ultraviolet rays etc.	electromagnetic waves. visible light spectrum is only a portion of the large 'variety' of frequencies ranging from 1 Hz to $10^{26}$ Hz. Visible light spectrum has ranges from $5 \times 10^{14}$ to $7.5 \times 10^{14}$ Hz.
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**Four Fundamental Forces of nature**

Qur'an	Modern science
“If you like to know the laws of nature, then look at the universe) Allah is He Who has risen up the heavens (huge cosmic bodies or solar system) without any pillars (support), that you can see.....”(Qur'an 13; 3)	The four basic and fundamental forces, (the Gravitation, electromagnetism, weak nuclear and Strong nuclear) under the laws of nature (Commands of Allah) are carrying out all functions of life and death in this universe.

**The Gravitational Forces**

Qur'an	Modern science
“Without any pillars that you can see”. (Qur'an , 31:10) “ Allah (God ) is the one Who raised the heavens without any pillars that you can see”(Qur'an, 13:2)	Today scientists speak of gravitational forces that hold the heavenly bodies apart from each other and prevent them from colliding with other.

**Reversal of Gravity**

Qur'an	Modern science
“When earth is shaken with her final earthquake. Qur'an Chapter 99 Verse 1 When the trumpet is blown one blast the earth with the mountains shall be lifted and crushed with one crash”. Qur'an Chapter 69 Verse 13-14	If time reverses in the contracting phase of the universe, then this time difference will also reverse. This will cause gravity to reverse so that everything will fall upwards, producing an earthquake of a magnitude never seen before.
“When the sky will be like molten copper and the hills will be like flakes of wool.” Qur'an Chapter 70 Verse 8	The reversal of gravity will cause the earth to literally explode and turn inside out. The mountains will fall apart. The red-hot lava will be thrown out lighting up the sky like molten copper

**The Laws of Gravitation**

Qur'an	Modern science
:“(If you like to know the laws of nature, then look at the universe) Allah is He Who has risen up the heavens (huge cosmic bodies or solar system) without any pillars (support), that you can see.....”(Chapter 13; Again in chapter 31 verse 10 Allah says: “He (Allah) has created (raised high) the heavens (huge cosmic bodies) without any pillars that you can see (Gravitation forces holding and not letting the cosmic bodies fall).....”(Chapter 31;10) In chapter 56 verses 76 to 78, Allah Taa'ala again describes the Laws of gravitation:	The Newton's law of Universal gravitation states that every point mass in the universe attracts every other mass with a force that is directly proportional to the product of their masses and inversely proportional to the square root of the distance between them. This is a general physical law derived from empirical observations.(It is a part of classical mechanics and was formulated in Newton's' work" Philosophie Naturalis Principa Mathematica("the Principia"), first published on 5 July 1687.)
In chapter 56 verses 76 to 78, Allah again describes the Laws of gravitation: _“(This is not what you think), We swear by the position (and location) of the planets (solar system, as they exist without any visible support), if you ever know what holds these bodies in position and in harmony, you will realize that it is the most important oath. This is	Keeping this scientific information in mind, and the characteristics of Angels as described earlier from the Qur'an, one is drawn to the conclusion that in our physical world, radiation emitted by the solar system (the Sun and other cosmic entities) perform the role of angels in the physical universe. Similarly the Angels are affecting our spiritual world by bringing commandments of the

because the Qur'an brings Allah's Mercy (Kareem) for you. He provides you amenities, based on His Laws of nature for your proper development and ease in the universe." (Chapter 56; 76-78).	Creator to the chosen human beings (prophets
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**Gravitational Waves**

Qur'an	Modern Science
"It is He Who created the Night and the Day, and the sun and the moon: all (the celestial bodies) swim along, each in its rounded course. (The Noble Quran, 21:33)"	The swimming in space is rather done by what scientists today call "Gravitational Waves". There are literally gravitational waves up there in space as we have waves in our seas, and all celestial bodies are swimming in these waves
"It is not permitted to the Sun to catch up the Moon, nor can the Night outstrip the Day: Each (just) swims along in (its own) orbit (according to Law). (The Noble Quran, 36:40)"	Allah Almighty precisely chose "swim" to describe the movement of all of the celestial bodies in the Universe. Obviously, there wouldn't be any swimming if there wasn't a sea-like space up there.
"He raised the firmament far above, and set up a (perfect) BALANCE. (The Noble Quran, 55:7)"	As the following Scientific Proofs demonstrate, this perfect balance is none other than the Balance of Gravities:

**Motion of Planets in Orbits**

Qur'an	Modern science
"And He it is Who created the night and the day, and sun and the moon both moving constantly." Yet at another place in chapter 14 verse 34 Quran says, "He has subjected to you the sun and the moon, both perusing their course in orbits continuously..."	David Filkin in his book "Steven Hawking's Universe" on page 69 writes and I quote, "What Doppler saw merely confirmed what astronomers had already expected: the stars were moving. Newton had predicted a universe full of moving heavenly bodies; and, ever since early Greek observations, long before Galileo had seen the moon around Jupiter, much of what moved was perceived to be in orbits."

**Archimedes's Law of Buoyancy or Law of Hydrostatics**

Qur'an	Modern science
"...He has subjected to you the ships that they may sail through the sea by His command (laws of hydrostatics), and rivers too (so that you may use them for irrigation) (Qur'an, 14: 34) "(Ponder on the laws of nature) He (ALLAH) makes mountainous ships afloat in the sea (obeying the laws of hydrostatics)" {Quran, 55:25)	In physics, buoyancy is a force exerted by a fluid that opposes an objects' weight. In a situation of fluid statics, the net upward buoyancy force is equal to the magnitude of the weight of fluid displaced by the body." In other words, any floating object displaces its own weight of fluid, as pointed out in Quran.

**Robotics**

Qur'an	Modern science
"I created jinn and man only to serve Me." (Q. 51:56). The Arabic word abd is synonymous with the English word robot (servant)	A robot is a programmed machine designed to perform desired physical tasks. Robot is essentially a computer with three additional features namely, sensors (which receives data from the environment), microprocessors (which transform data into information) and actuators (or muscles, which control the energy requirement).

**Quantum Physics**

Qur'an	Modern science
"... Not even the smallest speck eludes your Lord, either on Earth or in heaven. Nor is there anything smaller than that, or larger, which is not in a Clear Book." (Surah Yunus, 61)	The universe is consisted of compact ball of hydrogen -- protons, neutrons, electrons, and their anti-particles -- plus radiation.

**Conquest of Space by Humans**

Qur'an	Modern science
"O assembly of Jinns and humans, if you can penetrate the regions of the heavens and the earth, then penetrate them! You will not penetrate them save with a power (of God)." (Quran 55:33)	Human exploration and the conquest of space began with the launching of the Russian Satellite, Sputnik I on Oct. 4, 1957. Then followed the launching of humans into space, which eventually led to a manned space flight to the Moon on July 20th, 1967. Thus the dream of humanity since the dawn of civilization to go beyond the earth to the heavens was realized.

**The Black Holes: "The Blocked Gateways" to the Higher Dimensions**

Qur'an	Modern science
"And heaven is opened and becomes as gates." Qur'an Chapter 78 Verse 19 "The stars will stop shining as the light moves back with reversal of time. They will also be hidden from view from within the hollowed earth. When the stars are put out." (Qur'an, 78: 8)	The opening of gates in the sky is a concept similar to that of black holes. Such openings can be the gateways to beyond the universe through the higher dimensions. Massive stars, which collapse inward under their own weight, can form black holes. Gravity in such objects is so strong that even light cannot escape and they become invisible.
"Certainly the DOORS OF UNIVERSE won't open to the liars, and they cannot enter to heaven if came camel don't pass from NEEDLE HOLE"(Qur'an, 7:40)	scientists say that the the contact with other Universe starts here and the largeness of singularity is like a NEEDLE HOLE.

**The Higher Dimensions**

Qur'an	Modern science
"We know that we cannot escape from Allah in the earth, nor can we escape by flight". Qur'an Chapter 72 Verse 12	Mathematically there are an infinite number of dimensions. we only live in a three dimensional space. Every object in our daily lives has a length, width, and height. However, higher dimensions do exist as intense gravity near the sun causes the space to curve in an extra higher dimension.

**Intelligence**

Qur'an	Modern science
"He is the One who granted you the hearing, the eyesight, and the brains. Rarely are you appreciative." (Quran 23:78)	Intelligence with all related features are praised and counted among Allah's blessings. They are validated within specific boundaries.

**Meta physics**

Qur'an	Modern science
"ALLAH is the Light of the Heavens and the earth.", Qur'an (25:35) "Be (kun) and there was! " Qur'an, (36:82). According to Quran, Allah is One, (2:163) Creator of Every-thing (6: 102)	Metaphysics is a branch of philosophy exploring the fundamental questions, including the nature of concepts like being, existence and reality. Traditional metaphysics seeks to answer, in a "suitably abstract and fully general manner", the

<p>Absolute Good (6: 1)                  Omnipotent, (5:17)                  Omniscient, (8:39) Live, (3:2)                  All Power (67:1) Sustainer, (10:101) Guide,                  (25:31) An Absolute Owner, (1:2 ) Lord of all                  Lords, (31:26) Forgiver, (85:14) Kind, (2:3)                  Merciful, (7:156) Eternal, (72:3) Nearer than life                  vein, (16:50) Governor, (30:25), Absolutely                  Great, (4:34), Perfect (21:87), Guard,(12:64), Al-                  Knowing, (23:92), All depend upon Him,(112:2)                  Non is like Him, (112:4), He begets not, (112:3),                  Nor is He begotten, (112:3).</p>	<p>questions are:                  What is the origin of this universe?                  Who is the real creator of all existents?                  What is the nature of absolute reality?                  Why have we come in this universe?                  Why is there death for every existent?                  Was there any life before this existence?                  Is there any life hereafter?                  What is the relationship between Allah, human                  being, and universe?                  What is the goal of this universe?                  What is the suitable role for a being in this                  universe?</p>
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## 2. CONCLUSION

The Holy Quran is very rich with scientific data and statements and proofs. These are statements of Allah Almighty describing how He created things on earth and in the Universe. All of these scientific statements and notions had been proven to be in perfect agreement with modern science and our up to date scientific discoveries.

It has been realized that the Quran is completely consistent with the discoveries of modern Science. Statements in the Quran are found to be connected with Science, technology, engineering and mathematics. Declarations in the Quran are also in perfect agreement with modern data and observations.

Some statements involving data confirmed by modern Science are: The creation and Expansion of the Universe, Relativity in time, Gravitation, reversal of gravity and time, black hole, plurality of the universe etc. Hubble discovered that: Stars and galaxies are moving away not only from us, but also from one another. The only conclusion that could be derived from a universe where everything moves away from everything else is that the universe constantly 'expands'.

The Big Bang theory shows that in the beginning all the objects in the universe were of one piece and then were parted. This fact, which was revealed by the Big Bang theory, was stated in the Quran. When we compare the statements in the verse with the Big Bang theory, we see that they fully agree with each other.

The conclusion to which we are led by the findings of modern Science is that time is not an absolute fact; scientifically-proven fact is that, time is a psychological perception dependent on events, setting, and conditions- found in many verses of the Quran. In some verses, it is indicated that people perceive time differently and that sometimes people can perceive a very short period of time as a very lengthy one. In some other verses it is stated that time may flow at different places in different settings. In many verses of the Quran reveals that time is a perception. It is understood that Allah Who created time is unbound by it. We, on the other hand, are bound by time that is ordained by Allah.

It is recommended that to be a truly intelligent agent we have to recognize the truth, reflect on Quran and take heed, choose the guidance, reverence Allah, oppose evil, analyze signs and scientific proofs, benefit from reminders, and fully comprehend and value Allah's oaths: [Quran 89:5]" A profound oath, for one who possesses intelligence."

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