INTRODUCTION

My thesis primarily bases on 'Quran': The Words of Almighty Allah. The Quran is in ARABIC Literature. And secondly on the Modern Science.

The Quran:

Arabic is the richest and most living language in the Universe. The richness of Arabic language speaks itself, when we observe that there are more than hundred words are used for certain animals, like horse, camels and lions families. The liveliness of the Arabic language is proved when we note that a single word of Arabic language speaks from all its sides. For example: the Arabic words 'camel'. If we read from back side i.e. 'to ride'. If we read middle letter first, then first letter and last letter in the last, we get a new word i.e. 'greatness'.

When Arabic language is spoken, almost each part of the tongue is engaged to deliver the exact & accurate 'Pronunciation': for example the delivery of '4' letters of the same origin:

<table>
<thead>
<tr>
<th>letters</th>
<th>tounge's part used</th>
</tr>
</thead>
<tbody>
<tr>
<td>س.ص.ن</td>
<td>tip of tounge</td>
</tr>
<tr>
<td>ث</td>
<td>tip of tounge/upper &amp; lower front teeth</td>
</tr>
<tr>
<td>ش</td>
<td>middle &amp; upper part of tounge</td>
</tr>
</tbody>
</table>
The pronunciation in Arabic language is so important and delicate that with slight difference in pronunciation of the word, whole the meaning is changed. For example 'Qaib' تَلْبَ means: Heart, while 'Kalb' كَلَب means: Dog.

Qoran is the outstanding master piece of Arabic language, and literary beauty is found in it. The following episode is enough to illustrate the beauty and flawlessness of the Qoranic literature:

"It was a very popular tradition in Arab World to organize 'Okaz' fair near Makkah, annually. Where highly renowned poets of Arabic literature were invited for a prestigious competition. Best recited poem was highly awarded and its text were embroidered on pure silk cloth with pure gold thread, and hanged on the wall of Kaba for whole the year. There are only seven such poems, known as 'Seven Odes' سَبْعَة مُعَلَّمَات. Seven Odes were considered the most famous pieces of Arabic literature, till the revelation of Qoran.

When 'Inna Ataina' a Qoranic Verse:

إِنَّا أَعْطَيْنَاكَ الْقُرْآنَ فَضْلًا مِّنْ إِيَّاكَنَّ إِنَّ شَاِيْبُكَ جَعَلَهُ الْأَبْتَرُ

(عَمَّ- الأَكوْن) revealed. Prophet Mohammad s.a.w. asked Omar r.a.a. to write this Verse on the wall of Kaba, near seven odes. When the admirers and great poets of seven odes saw it, they were so amused to see the literary beauty that they exclaimed:

"ماً فَنَاْنَحْوَلَ الْبَشَّرَ"
Qoranic melodious literature not only sweetens the ears but also enlightens the brain and commonds the hearts.

Qoran focusses on the ONENESS of Allah The Almighty. At the same time Qoran emphasizes to be faithful to The Prophet Mohammad s.a.w., for the welfare of Humanity in this mortal world and therefore reserve the right for reward in the 'life after death', if faithfulness proved genuine to Allah The Almighty & His Prophet Mohammad s.a.w. On the other hand, disobedients to Allah The Almighty & His Prophet Mohammad s.a.w., will be awarded punishments accordingly.

As a matter of fact, Qoran covers each and every aspects of life: i) Ethical & Moral Teachings, ii) History, iii) Geography, iv) Mathematics & v) Sciences, apart from be faithful to Allah and His Prophet Mohammad s.a.w. etc. etc.

i) Ethical & Moral Teachings:

Qoran instructs the mankind to obey Allah The Almighty & His Prophet Mohammad s.a.w.: بِيَامَآ أُمُوتُنَّ وَمِنْ فِي الْكُتُبِ وَخَتَمَهُمْ بِالْبِلَآى

Qoran instructs the mankind to discharge duties to wards Prents, Relatives, be kind to neighbours & help the orphans and needy persons, etc:

لا أُحْبِبُ وَلَّآ إِلَّا وَلاَمَا رَفَعَ اللَّهُ الْأَوَّلَ يِنْسَى أَيْضًا ذَٰلِكَ الْمُخْتَالِ وَالْبَشْرِيَّةَ وَالْمُسْكِتِّينَ

خَوْلًا إِنَّهُ مُحَسَّنًا مَّثْنَى صَوْلَةَ وَأَنَّهُ رَكُوًا ۚ ۚ (۱- البقرة- 83)
ii) History:

Most of the names mentioned above were 'messenger' from Almighty Allah. Some of the Prophets were Great Rulers like Hz Dawood a.s., Hz Suleman a.s., Hz Yousef & Hz Zulqarnain; Alexandra The Great etc. Some Prophets were great scientists, like Hz Dawood a.s., Hz Suleman a.s. & Hz Luqman a.s. etc.

Some evil natured souls were in existence, like Firoun, Haman, Namrood, Jaloot & Abu Lahab etc., Qur'an reveals regarding them:

Qur'an also reveals the existence of Angels & Jinns, before the creation of Hz Adam:

iii) Geography:

Qur'an describes about the earth, skies, sun & moon, day & night, oceans, mountains, clouds & rains etc:

...
Geography....

Qoran also mentions weathers; like, cold, hot, autumn & rainy.

There is indications regarding Poles of Earth in Qoran:

Qoran also informs about the Sun Rise & Sun Set:

iv) Mathematics:

Calculations & fixations of Day & Night, Weeks, Months & Year, with the help of Sun & Moon, is mentioned in Qoran:

Additions, Multiplications, Substraction & Divisions are given in Qoran:
v) **Sciences:**

Almost all branches of science are mentioned in Qur'an:

a) **Physics:** Certain examples, like light is must for vision, mirage & total reflection of light:

b) **Chemistry:** Brief description of alcohol & yeast formation from sugar:

c) **Zoology:** Classifications of animals are clearly given in Qur'an:

d) **Botany:** Germination, growth, fruits & flowers in plants are mentioned in Qur'an:

e) **Geology:** Indication of availability of water and petroleum etc. beneath the earth is given in Qur'an:
In short, Quran is words of Almighty Allah, revealed upon the Holy Prophet Mohammad s.a.w. through the Prophet of Angels; Jibrail a.s. In the year 610 Gregorian calendar in Arabic language. Quranic Verse were brought by Jibrail a.s. from Almighty Allah and recited in front of the Holy Prophet in the form of Wahi*, which the Holy Prophet memorised and later dictated® exactly the same way to his companions®®. The holy companions used to compose the Quranic Verses on skins, bones, woods & leaves etc., since the Holy Prophet was an Ummi**. The complete Quranic Verses were revealed during the period of 280 months & 14 days.

The famous companions who composed the Quranic Verses were:


Later, during the regime of Hz Abu Bakr r.a.a.; the first caliph, Quranic Verses were composed in the shape of Book: 'بِتَّمُتْقَانٍ'.

During the regime of Hujjaj Bin Yousef in 96-97 Hijri, Aeraabs اَلْبَصُرَة were used in order to read the Quranic text exactly & accurately.

This latest shape of Holy Quran is exactly the same texts revealed upon the Holy Prophet and will remain in the same accurate form till the 'Date of Judgement', since Allah The Almighty guarantees the safety of His words: The Quran.

Symbols *, **, ***, @ & @@ are decoded on the base of next page.
Qoran says:

Therefore, Qoran is the Book of guidelines for all the mankind on this earth. The instructions from Qoran are the final commandment from The Almighty Allah and will remain be implemented till 'The Day of Judgement'.

Wahi*: The Commandments from Almighty Allah.

Lmmi**: A person who neither can 'read' nor 'write'

Hijri***: Islamic Calendar started from the day Prophet Mohammad s.a.w. migrated from Makkah to Madina.

@: In the month of Holy Ramadan in the night of 27th Ramadan i.e. 'Ijla-tul-Qadr'.

@@: The first Qoranic Verse revealed was: "Iqra".

The above Hadith is regarding the creation of Mother Eves from the ribs of Hz. Adam a.s. and is connected to the base of page # 208.

Please turn over to the next page to continue the Qoranic Scientists and the inventions of the modern scientists.
Science:

Quran is the only first Book in this Universe that reveals the records of earliest Scientists:

i) Dawood a.s.: Prophet Dawood* a.s. was an Emperor, Messenger of Allah and a Scientist too. He invented the Iron Metal and made use of it. He made ARMOUR out of Iron and used to sell them to earn his livelihood. He was not using Royal Treasure for his personal expenses:

\[\text{Quran 39:1} \]

ii) Suleman a.s.: Quran declares Suleman a.s. a Great Scientist. Suleman a.s. was an Emperor, Prophet and also a Scientist. Suleman a.s. invented Copper Metal, its Metallurgy and made Copper useful for Humen. Suleman a.s. made ARMOUR out of Copper. He improved the quality of ARMOUR, by making it fire-proof:

\[\text{Quran 39:1} \]

On other occasion, Suleman** a.s. created a pool of water on a dry surface by way of 'Total Reflection of Light'. Before Queen Bilqees could enter the surface, she realised that the surface is full of water. She lifted her attire so that it might not get wet. But she got ashamed when she found the surface dry, and realised the greatness of Suleman a.s.
iii) Luqman a.s.: Luqman a.s. is the first Great Physician of his time:

وَلَقَدْ أَنْعَمَ عَلَىٰ لُقَمَانَ ُهُوَ الْبَلْدُ (21-12)

قَالَ رَبِّ أَنْعَمْ عَلَىٰ لُقَمَانَ ُهُوَ الْبَلْدُ (21-10)

iv) Nooh* a.s.: Hazrat Nooh a.s. was one of the Messengers of Almighty Allah. Allah the Almighty bestowed Nooh a.s. the art of creating a Boat. So, Nooh a.s. was the first man on earth, who invented the Art of Boat Craft-man-ship, and gave this world the 'Law of Floating'. Those who did not agree with this new technology of Boat's floating; they witnessed that how a boat floats and other things dips into water:

As per History, the Humen of earliest period, were living in forests with wild animals. They hunt with them and eat with them. But, later the God gifted Human 'Brain' started to work.

The first thing that Human realized was: the difference between Humen and Beasts. The Human started to discriminate himself from the wild beasts, by covering his body with the leaves of the trees and eating the raw fruits & vegetables.

*Nooh: Noah: 'Ark of Noah'
Human 'Instinct' compelled him to ponder over the reasons of fire in the jungle. Ultimately, he realised the fact that the frictions between the branches of trees cause the fire. This way human managed to create fire by way of 'friction'. So, the fire was the first Scientific Invention by human on earth.

The success of fire creation arose the 'curiosity' in human. He started to observe the change of day & night, sun rise and sun set, appearance of moon and stars in the sky, rain falls, appearance of 'Rainbow' in the sky, thunder and flashes of lightening etc. and tried to conclude the reasons.

By passing of the days, human started to utilise his first invention 'the fire', and began to cook his food on fire. Cooked food was another factor that discriminated him from the animals. Therefore, human abandoned the living in jungle. According to the proverb: 'Need is the Mother of Inventions', human build 'shelter' to live, weapons of stones for defence, and also improved his way of clothing.

Thus, the 'Era' of 'Human Society' started. Day by day human started to improve the past inventions and try to invent the new requirements.

In yester-years, we the human were using 'leaves' to cover our body. Now, the latest scientific inventions enable us to wear thousand of varieties of clothes.
An Arabic Proverb says that; It is Human Wisdom that he gained miraculous achievements in the field of Sciences, While animals lack the wisdom, that is why their primitive 'life style' has not been changed, as yet:

*Qoran also illustrates the scientific changes in the 'Nature', and invites the 'mankind' to view and ponder over these 'Natural Phenomena' and try to conclude the reasons. Qoran calls such a people 'the wise' people.

Undoubtedly, the Scientists are trying to utilise maximum, the 'Noble Gift' from The Almighty Allah i.e. 'The Brain'.

There are certain pioneer scientists who are supposed to be the master inventors in their fields:

<table>
<thead>
<tr>
<th>Inventions</th>
<th>Inventors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Engine</td>
<td>James Watt (1764)</td>
</tr>
<tr>
<td>Radio</td>
<td>Alexanderson (1914)</td>
</tr>
<tr>
<td>Telephone</td>
<td>Graham Bell</td>
</tr>
<tr>
<td>Type-writer</td>
<td>Sholes</td>
</tr>
</tbody>
</table>

*Qoran says: (2:244)
**Inventions**

<table>
<thead>
<tr>
<th>Inventions</th>
<th>Inventors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeroplane</td>
<td>Willbur/Orville Wrights (1903)</td>
</tr>
<tr>
<td>Television</td>
<td>J. L. Baird</td>
</tr>
<tr>
<td>Motor Car</td>
<td>Henry Ford U.S.A.</td>
</tr>
<tr>
<td>Penicillin</td>
<td>Alexander Fleming/Florey (1929)</td>
</tr>
<tr>
<td>Small-Pox Vaccine</td>
<td>Edward Jenner (1796)</td>
</tr>
<tr>
<td>Computer</td>
<td>Charles Bewaj; Father of Modern Computer</td>
</tr>
<tr>
<td>Microscope</td>
<td>Jansen - improved by Galileo</td>
</tr>
</tbody>
</table>

Thus, Science made our day to day life very convenient & comfortable and influences our senses; specially the 'Brain' to be exercised fully, in order to cope up with today's 'Modern Scientific Era'.

**My Topic:**

Since complete Human Life Cycle that starts from 'soil' and ends up with 'soil', totally bases on 'chemical changes'. For example, dead earth gets alive when rain falls and vegetation erupts out of earth. Vegetation produces Fruits, Vegetables and Cereals.

Union of Male and Female Gonads' secretions results the development of human baby within Female Uterus. Fully developed baby borns and grows to youth age, old age and ultimately dies, decomposes and turn to 'soil'.

These chemical changes take place in the life, mostly. That is why, I have chosen my topic of thesis: 'Bio-Chemistry of Human Life Cycle in Qoran'.

Before moving ahead, let me introduce the terminology of asexual reproduction in human described in the holy Qoran.

*Humanaxual reproduction: a type of vegetative reproduction in human, limited to the births of Mother Eves & Holy Jesus, as per the holy Qoran.
Humanaxual Reproduction:

Allah The Almighty says in the Holy Quran that He creates human the way He creates plants:

\[
\text{ذَٰلِكَ الْأَرْضُ مِنَ الْأَرْضِ إِنَّا نَبْنَاؤُهَا لَنَعْمَلْهَا مَيْمَّوْنَهَا بَيِّنَاهَا ۚ (۲۹ - نوح - ١٨)}
\]

Again, the Holy Quran describes that Mother Eve was created by way of asexual reproduction from the ribs of Hz. Adam a.s. The following Quranic Verse confirms the asexual reproduction in human:

\[
\text{يَ خَلَقَهَا النَّافِضَةَ عَلَى رَكَابِهَا ذِينَیْلُوْلا۸ ۚ (۲۲ - نوح - ١٨)}
\]

The Holy Prophet's saying confirms that Mother Eve was created from the ribs of Hz. Adam a.s.:

\[
\text{آَيُّهَا الْخَيْرَةُ إِنِّي ضَرِيبُ اللّهِ عَلَيْهِ فَأَيْنَ رَكَابُهَا أَيْنَ خَلَقْتُهَا ؟ (۲۷ - سُورَةُ البقرة - ۲۸)}
\]

In the same way Holy Jesus was created asexually from the womb** of his mother: the holy Mary. The Quran says:

\[
\text{۱۹۳۹۱۹۵۲۱۹۰۱۹