



What do we mean by science? It is very difficult to answer this question directly because sciences, for many scientists, is something big, many-sided and far-reaching, rich with significance and potent in influence—and much more than its specific intellectual content. But both scientists and non-scientists are unanimous on the point that the term science has variety of common usages.

Science, as it is commonly interpreted, is a body of organised knowledge. But this is only one usage. It, with equal emphasis, is spoken of as a way or method of knowing. It may also be viewed as an area of experience—experience with nature and experience in creativity. But this is not all. It may be taken as a certain attitude, point of view, or even, in a rich sense, as way of life. Sometimes it is identified with freedom of inquiry, critical thinking and the experimental approach in the attack upon problems. Therefore, without the due consideration of all these usages it would not be possible to tell the whole story about it and its nature.

After considering the different usages of science, we now come to the basic concepts of science.

It is indispensable for the growth of science to have the three basic concepts:

(i) Belief in the one whole homogeneous universe. The universe should be one homogeneous whole, it must not be divided into different realms having their own divergent laws;

(ii) Belief in the law of the uniformity of nature;

(iii) Belief in the value of individual instance.

Uniformity in the laws of nature and the Unity of God

In the absence of any one of these concepts there can be no general scientific progress, though the possibility of the progress of science individually would remain open. The first two 'concepts' are closely related to each other. In fact these are the two sides of the same coin. Without the monistic universe there can be no universal law. If the nature of the universe is not uniform, how can there be any possibility for the uniformity of the laws which are operating there? There are two ways by which the uniformity of nature may be violated:

(i) By affirming the universe as the realm of different and perhaps rival gods who challenge one another's authority.

(ii) By dividing the universe into two distinct regions, the natural and the supernatural. It is but obvious that different laws will operate in different regions. With the lack of uniformity of nature there is no possibility of any induction. And without induction no scientific law can be established and no growth in the

scientific thought can be made. Therefore, the insistence on "one universe" is but an indispensable condition for the scientific growth.

Not Monism but Polytheism was the creed of many primitive religions. Rival gods were recognised and separate functions and distinct regions were assigned to them. It is the unique characteristic of Islam which emphasised the unity of God in an unambiguous and unequivocal

statement: 'Lā ilāha illāllāh' ('there is nothing to be worshipped except God') is the basic tenet of Islam. It remained immutable and unalterable from the Prophet Adam to the

Prophet Muhammad and it is universal and everlasting in nature. The

Qur'an declares: 'Here is a message for mankind; let them take warning therefore, and let them

know that He is (no other than) one God. Let men of understanding take heed.' (16: 36). Each country

and each nation had its own

Prophet. Each Prophet in his own

out of place to quote the tradition of the Prophet. The death of the only son of the Prophet coincided with an eclipse. The unbelieving Quraysh took it as a portent and wanted to accept Islam through superstitions and fear. But the Prophet replied that the sun and the moon obey the laws of God and pay no heed to the sorrows and joys of either a Prophet or a common man.

Islam gives due recognition to the particular instance. It does not make any distinction between the transcendental and phenomenal realities or between Noumena and Phenomena in the Kantian terminology.

It never recognises that nature or phenomenal realities are the copy of the supernatural world as it was asserted in Platonic Idealism of

Maya (illusion) as it was declared by

Advaita Vedantism, on the contrary,

it asserts that the entire universe is

the creation of God. It is real and

actual, it is full of signs of the power

and wisdom of God. The Qur'an

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language the commandments of God according to the need of the time and the requirements of the age.

But in all the preachings the fundamentals remained the same and these fundamentals are the

unity of God (Tauhid), belief in the

prophethood, the divine scriptures

and the resurrection. It is stated in

the Qur'an: 'Such of our revelations as we abrogate or cause to be

forgotten, We being (in their place)

one better or the like thereof.

Knowest thou not that God is able to

do things.' (2:106). In sufi terminology it may be expressed that the

Haqqiqah remained the same but

there was change in the Shar'ah.

Islam annihilated the distinction

between the natural and the super-

natural and this conception has

greatly influenced the development

of science. The Qur'an, in a number

of verses, has emphasised the laws

of God. Laws of God are operating

throughout the universe. These laws

are uniform in their application. It

was commanded in the Qur'an:

'God is He who raised the heavens

without any pillars that ye can see; is

firmly established on the throne (of

authority). He has subjected the

and the Moon (to His law). Each one runs

(its course) for a term appointed. He

doth regulate all affairs, explaining

the signs in details, that ye may

believe with certainty in the meeting

with your Lord.' (13:2).

There is no conception of super-

man in Islam. The prophet and the

common man are equally subject to

the laws of God. Here it would not be

describes: 'And He it is who spread

out the earth, and set thereon moun

tains standing firm, and flowing riv

ers. And fruit of every kind He made

in pairs, two and two: He draweth

the night as a veil over the day

Behold, verily, in these things there

are signs for those who consider

(13:3). Islam draws the attention o

mankind towards the particular fact

of the universe and through these

facts invites humanity to ponde

over the blessings and the bounties

of God. Thus it becomes clear at

crystal that Islam provides the basic

concepts for science.

The Qur'an is scientific in nature

It would not be exaggeration if it

was said that the very spirit of Islam

is scientific in nature. Here by sci

ence we mean that freedom of enquiry,

critical thinking and the exper

imental approach in the attack

upon problems. When we recite the

verses of the Qur'an, we find that

most of the verses invite our atten

tion for reflective thinking and stimu

late us for the scientific inquiry. God,

the author of the Qur'an, addresses

mankind:

'This is a Book that We have

revealed to thee, full of blessings,

that they may reflect over its verses,

and that those gifted with under

standing may take heed.' (38:30)

Here are some of the verses in

further support of the above conten

tion:

'Seest thou not God sendeth

down water from the sky and then

earth becometh green upon the

morrow? Lo! God is subtle. Aware.

(22:63).

"Unto Him belongeth all that is in the heavens and all that is in the earth. Lo! God, He verily is the Absolute, the owner of the praise."

"Hast thou not seen how God hath made all that is in the earth subser-

vient into you?" (22:65).

"And verily we have coined for mankind in this Qur'an all kinds off

similitudes, that haply may reflect."

(39:27).

"It is God who causeth the seed grain and the date-stone to split and sprout. He causeth the living to issue from the dead, and He is the One to cause the dead to issue from the living. That is God: then how are you deluded away from the truth."

(6:95).

Here in this verse the terms "split" and "sprout" provide an extensive and a vast field for the botanists for their exploration.

"It is He who maketh the stars (as

do we bring you out as babies, then of low ground where some amass of

foster you) that ye may reach your earth, got fermented in course of

age of full strength; and some of you time. Due to the equable tempera

ture of the place and perfect equilib

back to the feeblest old age, so that rum of heat, cold, moisture and

they know nothing after having dryness that fermented mass be

known (much). And further, thou came analogous to the human body

seest the earth barren and lifeless, and then was divided into two char

mers by means of a thin partition and

the a soul was joined to it by the

forth every kind of beautiful growth with command of God. After this Ibn

(in pairs). This is so, because God is Tufayl traces the different states of

the Reality: it is He who gives life to physical, mental and spiritual

the dead, and it is He who has power over all things." (22:5-6).

The above illustration may be di

vided mainly into three: (i) the analy

sis of the human being—his origin

and development, (ii) the analysis of

the nature around the human being,

and (iii) the conclusion. We would

like to discuss here the first one, i.e., the

analysis of the human being—

his origin and development.

What a great psychological touch

we find here. In addressing mankind

God first of all addresses man directly

life.

Bergson.

Henry Bergson (1859-1941), a

French Philosopher of evolution, a

great opponent of materialism and

mechanism, repudiated the Mecha

nical theory of evolution put forward

by Darwin, Lamarck, Weissman, De

varies and others. He put forward

the Creative theory of evolution and

presented the concepts of "Dura

tion" "Intuition" and "Elan Vital" for

the explanation of his theory. He

says: "Evolution reveals a strug

gle of the positive or active tendency,