



*SIT BACK, RELAX
& ENJOY!*

*Facts about India !
Part -2*





India's Civilized Past



Please click to advance >

*It is the only society in the world
which has never known slavery.*

*India never invaded any country in her
last 10,000 years of history.*

*India was the richest country on Earth until the
time of the British in the early 17th Century*

*Robert Clive's personal wealth amassed from the
blunder of Bengal during 1750's was estimated at
around £401,102*

*It has been estimated that the total amount of treasure that the
British looted from India had already reached £1,000,000,000
(£1Billion) by 1901.*

*Taking into consideration interest rates and inflation
this would be worth close to \$1,000,000,000,000
(\$1Trillion) in real-terms today.*

[Please click to advance >](#)

A Brief History of Time

Vedic Civilization

Indus & Saraswati Civilizations

Rise of Jainism and Buddhism

Mauryan Period

Golden Age of Indian Arts & Sciences

Muslim Invasions

The Mughal Empire

Portuguese Invasion

The British East-India Company

The British Empire

India's Freedom Struggle

Independence

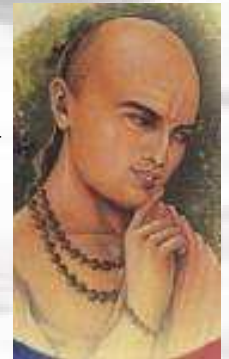
Modern India 2020 Vision

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- India invented the Number System. Zero was invented by Aryabhatta. The place value system, the decimal system was developed in India in 100 BC.
- Aryabhatta was the first to explain spherical shape, size ,diameter, rotation and correct speed of Earth in 499 AD.
- The World's first university was established in Takshila in 700 BC. Students from all over the World studied more than 60 subjects.
- The University of Nalanda built in the 4th century was one of the greatest achievements of ancient India in the field of education.
- Sanskrit is considered the mother of all higher languages. Sanskrit is the most precise, and therefore suitable language for computer software - a report in Forbes magazine, July 1987.



- Ayurveda is the earliest school of medicine known to humans. Charaka, the father of medicine consolidated Ayurveda 2500 years ago.
- Today Ayurveda is fast regaining its rightful place in civilization.
- Christopher Columbus was attracted India's wealth and was looking for route to India when he discovered the American continent by mistake.
- The art of Navigation was born in the river Sindh 6000 years ago. The word 'Navigation' is derived from the Sanskrit word NAVGATI. The word navy is also derived from Sanskrit 'Nau'.
- In Siddhanta Siromani (Bhuvanacosam 6) Bhaskaracharya II described about gravity of earth about 400 years before Sir Isaac Newton. He also had some clear notions on differential calculus, and the Theory of Continued Fraction.



Please click to advance >

Languages of India

Sanskrit

Malayalam

Hindi

Punjabi

Marathi

Bengali

Oriya

Kannada

Gujarati

Tamil

Konkani

Telegu

Rajasthani

Assamese

Urdu

Sindhi

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Vedic Philosophy

The Vedas are the oldest written text on our planet today. They date back to the beginning of Indian civilization and are the earliest literary records of the human mind.

They have been passed through oral tradition for over 10,000 years, and first appeared in written form between 2500 - 5,000 years ago.

Veda means “Knowledge” in Sanskrit.



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The Ancient Vedic Hymns

Rig Veda - Knowledge of Hymns, 10,859 verses

“There is only one truth, only men describe it in different ways.”

Yajur Veda - Knowledge of Liturgy, 3,988 verses

Sama Veda - Knowledge of Classical Music, 1,549 verses

Ayur Veda - Knowledge of Medicine, over 100,000 verses

Upanishads

Jyotisha – Astrology and Astronomy.

Kalpa – Rituals and Legal matters.

Siksha – Phonetics.

Aitareya – Creation of the Universe, Man and Evolution.

Chandogya – Reincarnation, Soul.

Kaushitaki – Karma.

Kena – Austerity, Work, and Restraint.

Dharnur Veda – Science of Archery and War.

Mundaka – Discipline, Faith and warning of Ignorance.

Sulba Sutra – Knowledge of Mathematics

Yoga Sutra - Knowledge of Meditation

Kama Sutra - Knowledge of Love and Sex

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Sanskrit (संस्कृत)

Sanskrit was the classical language of India, older than Hebrew and Latin.

It is the oldest, most scientific, systematic language in the world. It became the language of all cultured people in India and in the countries that were influenced by India.

Sanskrit literally means “refined” or “perfected”

Sanskrit word	English meaning	Sanskrit meaning
matar	mother	
pitar	papa / father	
bhratar	brother	
svasar	sister	
gyaamti	geometry	<i>'measuring the earth'</i>
trikonamiti	trigonometry	<i>'measuring triangular forms'</i>
dvaar	door	
ma	me	<i>'first person pronoun'</i>
naman	name	
smi	smile	
eka	equal	<i>'the same'</i>

Please click to advance >

- Madhavacharya discovered Taylor series of Sine and Cosine function about 250 years before Taylor.
- Madhavacharya discovered Newton Power series.
- Madhavacharya discovered Gregory Leibnitz series for the Inverse Tangent about 280 years before Gregory.
- Madhavacharya discovered Leibnitz power series for pi about 300 years before Leibnitz.
- Bhaskaracharya calculated the time taken by the earth to orbit the sun hundreds of years before the astronomer Smart. Time taken by earth to orbit the sun: (5th century) 365.258756484 days
- Infinity was well known for ancient Indians. Bhaskaracharya II in Beejaganitha(stanza-20) has given clear explanation with examples for infinity



- Theory of Continued Fraction was discovered by Bhaskaracharya II.
- Indians discovered Arithmetic and Geometric progression. Arithmetic progression is explained in Yajurveda.
- Govindaswamin discovered Newton Gauss Interpolation formula about 1800 years before Newton.
- Vateswaracharya discovered Newton Gauss Backward Interpolation formula about 1000 years before Newton.
- Parameswaracharya discovered Lhuiler's formula about 400 years before Lhuiler.
- Nilakanta discovered Newton's Infinite Geometric Progression convergent series.
- Positive and Negative numbers and their calculations were explained first by Brahmagupta in his book Brahmasputa Siddhanta.
- Aryabhata also propounded the Heliocentric theory of gravitation, thus predating Copernicus by almost one thousand years. [Please click to advance >](#)

Similarities to Greek mythology



**Hercules (Herakles) fighting
the Lernaean Hydra**



**Krishna (Harekrشنا) fighting
the Kaliya Serpent**

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Similarities to Greek mythology

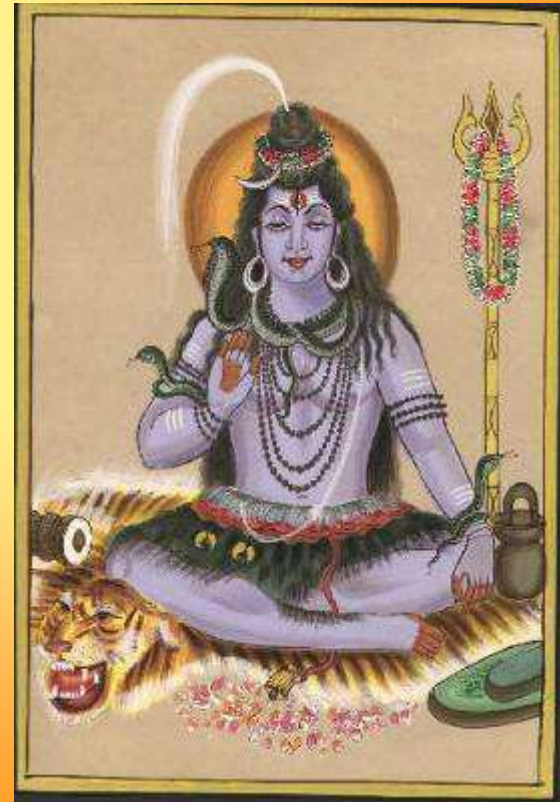


Dionysus
(Dionysos)
holding a
Trident



Dionysus
(Dionysos)
encircled with a
snake, with
leopard by his
side, with the
moon in the
background, his
abode is Mount
Olympus

Shiva, holding the
Trident, resting on a
leopard skin with a Cobra
perched beside him, his
abode is Mount Kailas,
Himalayas



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Similarities to Biblical mythology

The ancient Vedic Aryan Hindus (Indus Saraswati) spoke about a series of Ten Pitris who ruled before the global Flood.

Ancient Babylonian legend speaks of a pre-Flood series of ten kings.

The ancient Egyptians described Ten Shining Ones who ruled consecutively before the Deluge.

The last of these kings in the aforementioned lists was the hero who led seven others aboard a vessel in which they survived the global Flood.

In ancient India, the hero was Manu who survived the global-Flood "pralaya" with the Seven Rishis.

In ancient Babylon, the hero's name was Zisudra who spear-headed the survival on the Ark of seven other humans, the Seven Apkallu.

In ancient Egypt, the Flood hero was Toth who survived the Deluge along with the Seven Sages.

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Did the Vedic Aryans travel as far as Easter Island?



The Easter Islands located in the Pacific Ocean, were situated far away from any civilization.

The craftsmanship of these islands corresponds to the one of the ancient Incas.

The sign script of the Easter Islands almost equals the ancient scripts of Indus Valley.



Easter Island symbols

Indus Saraswati symbols

Were the Ancient Vedic civilisation of Indus Saraswati valley
Trans-Oceanic seafarers? Please click to advance >

The Surya Siddhanta,

*A textbook on astronomy of ancient India,
last compiled in 1000 BC, believed to be handed down from
3000 BC by aid of complex mnemonic recital methods
still known today.*

*Showed the Earth's diameter to be 7,840 miles,
compared to modern measurements of 7,926.7 miles.*

*Showed the distance between the Earth and the Moon as
253,000 miles,*

Compared to modern measurements of 252,710 miles.

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India

- The value of "pi" was first calculated by Boudhayana, and he explained the concept of what is known as the Pythagorean Theorem. He discovered this in the 6th century long before the European mathematicians. This was 'validated' by British scholars in 1999.
- Algebra, trigonometry and calculus came from India. Quadratic equations were propounded by Sridharacharya in the 11th century.
- The largest numbers the Greeks and the Romans used were 106 whereas Hindus used numbers as big as 10^{53} with specific names as early as 5000 BC during the Vedic period. Even today, the largest used number is Tera: 10^{12} .
- Maharshi Sushruta is the father of surgery. 2600 years ago he and health scientists of his time conducted complicated surgeries like caesareans, cataract, artificial limbs, fractures, urinary stones and even plastic surgery.
- Usage of anaesthesia was well known in ancient India. Over 125 surgical equipments were used.
- Detailed knowledge of anatomy, physiology, aetiology, embryology, digestion, metabolism, genetics and immunity is also found in many texts.
- When many cultures were only nomadic forest dwellers over 5000 years ago, Indians established Harappan culture in the Sindhu Valley Civilization.



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India

*Brahmagupta, 630 A.D., said, the following about Gravity,
“Bodies fall towards the earth as it is in the nature of the earth
to attract bodies, just as it is in the nature of water to flow”.*



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India

- **RigVedas (1.50)**, a hymn addressed to the Sun, refers quite clearly that the Sun traverses 2,202 yojanas in half a nimesha. This is in fact refers to the speed of light.
- **The World's First Granite Temple** is the Brihadeswara temple at Tanjavur in Tamil Nadu. The shikhara is made from a single '80-tonne' piece of granite.



- The world famous and priceless “Kohinoor” diamond, which is set in the Crown of the British monarch (Queen Victoria, and Elizabeth II), was acquired from India.



- According to the Gemological Institute of America, up until 1896, India was the only source for diamonds to the world.
- Chess (Shataranja or AshtaPada) was reportedly invented in India.
- The game of snakes & ladders was created by the 13th century poet saint Gyandev. It was originally called 'Mokshapat.' The ladders in the game represented virtues and the snakes indicated vices.

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Kalarippayat - Origin of Martial arts – 200 BC



Kerala, South India, guardians of the origins of modern martial-arts, influenced by Yoga and connected to the ancient Indian sciences of war (dhanur-veda) and medicine (ayur-veda).

The origin of kung-fu begins with the legend of a monk named Bodhidharma (also known as Ta Mo) who travelled from India to China around 500 A.D.

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Classical Dance forms



Manipuri



Mohini Attam



Bharata Natyam



Odissi



Kuchipudi



Kathakali

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India's ancient achievements in Medical Science

Knowledge	Ancient Reference	Modern Reference
Artificial Limb	<i>RigVed (1-116-15)</i>	<i>20th Century</i>
Number of Chromosomes (23)	<i>Mahabharat (5500 BCE)</i>	<i>1890 A.D.</i>
Combination of Male and Female	<i>Shrimad Bhagwat</i>	<i>20th Century</i>
Analysis of Ears	<i>RigVed</i>	<i>Labyrinth</i>
Beginning of the Foetal	<i>Heart Eitereya Upanishad -(6000 BCE)</i>	<i>Robinson, 1972</i>
Parthenogenesis	<i>Mahabharat</i>	<i>20th Century</i>
Test Tube Babies (from the ovum only)	<i>Mahabharat</i>	<i>Not possible yet</i>
Test Tube Babies (from the sperm only)		<i>Not possible yet</i>
Elongation of Life in confirmed Space Travel	<i>Shrimad Bhagwat</i>	<i>Not yet</i>
Cell Division (in 3 layers)	<i>Shrimad Bhagwat</i>	<i>20th Century</i>
Embryology	<i>Eitereya Upanishad (6000 BCE)</i>	<i>19th Century</i>
Micro-organisms	<i>Mahabharat</i>	<i>18th Century</i>
A material producing a disease can prevent or cure the disease in minute quantity	<i>S-Bhagwat (1-5-33)</i>	<i>Haneman, 18th Century</i>
Developing Embyro in Vitro	<i>Mahabharat</i>	<i>20th Century</i>
Life in trees and plants	<i>Mahabharat</i>	<i>Bose, 19th Century</i>
16 Functions of the Brain Eitereya	<i>Upanishad</i>	<i>19th – 20th Century</i>
Definition of Sleep Prashna-Upanishad	<i>Yogsootra Cunavidhi</i>	<i>20th Century</i>
Chromosomes	<i>(Mahabharat)(5500 BCE)</i>	<i>1860 – 1910 A.D.</i>

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India's ancient achievements in Physical Science

Knowledge	Ancient Reference	Modern Reference
Velocity of Light	<i>RigVed - Sayan Bhashya (1400 A.D)</i>	<i>19th Century</i>
Trans-Saturnean Planets	<i>Mahabharat (5500 BC)</i>	<i>17-19th Century</i>
Space Travel to another solar system	<i>Shrimad Bhagwat (4000 BC)</i>	<i>Under trials</i>
Gravitational Force (Prashnopanishad)	<i>(6000 B.C) Shankaracharya (500 B.C)</i>	<i>17th Century</i>
Ultraviolet Band	<i>Sudhumravarna - (Mundakopanishad - M.U)</i>	----
Infra-Red Band	<i>Sulohita (M.U)</i>	----
Tachyons faster than light	<i>Manojava (Mundakopanishad) Sudarshan,</i>	<i>1968</i>
Nuclear Energy	<i>Spullingini (Mundakopanishad)</i>	<i>20th Century</i>
Black Holes	<i>Vishvaruchi(Mundakopanishad)</i>	<i>20th Century</i>
Embryology	<i>Eitereya Upanishad (6000 BCE)</i>	<i>19th Century</i>
Monsoon at Summer Solstice	<i>RigVed (23720 B.C)</i>	----
Entry in South America by Aeroplanes	<i>Valmiki Ramayan (7300 B.C)</i>	----
Phosphorescent Trident at the Bay of Pisco, Peru, S.America	<i>Valmiki Ramayan (7300 B.C)</i>	<i>1960 A.D.</i>
Aeroplanes	<i>RigVed, Ramayana, Samarangan Sutradhara (1050 A.D.)</i>	----
Robot	<i>Samarangan Sutradhara (1050 A.D.)</i>	----
Atom (Divisible) & (Indivisible)	<i>Shrimad Bhagwat (4000 B.C.)</i>	<i>1800 A.D.</i>

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The Lingaraja Temple



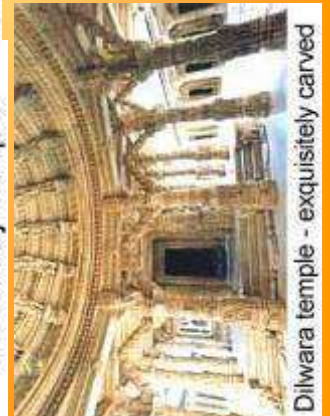
The Shore Temple



Mahabalipuram Rathas



The Natraj Temple



Dilwara temple - exquisitely carved



The Sun Temple, Konark



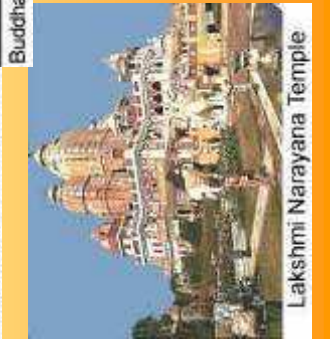
The Brihadeshwara Temple



Temple at Thanjavur



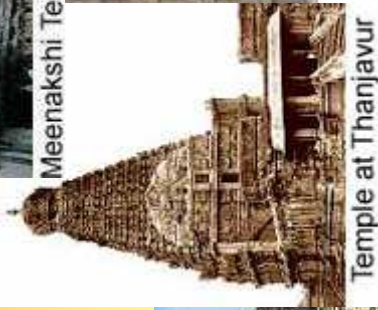
Meenakshi Sundareswarar Temple



Lakshmi Narayana Temple



Meenakshi Temple



Temple at Thanjavur



Buddha sculpture at Borobudur, Java



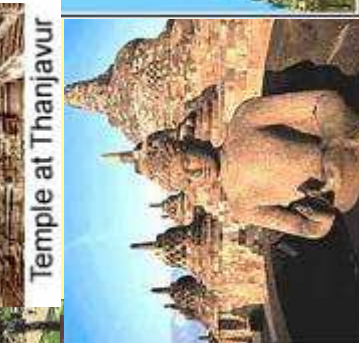
Hari Mandir (the Golden Temple)



Khajuraho



Figurines of Vidya Devis



Brihadewwara Temple



The Hoysaleswara Temple, Halebid



Jannanath Puri Temple



Kailashnath Cave Temple, Ellora



Maiden's figurine



The Rajarani Temp



Sights of India

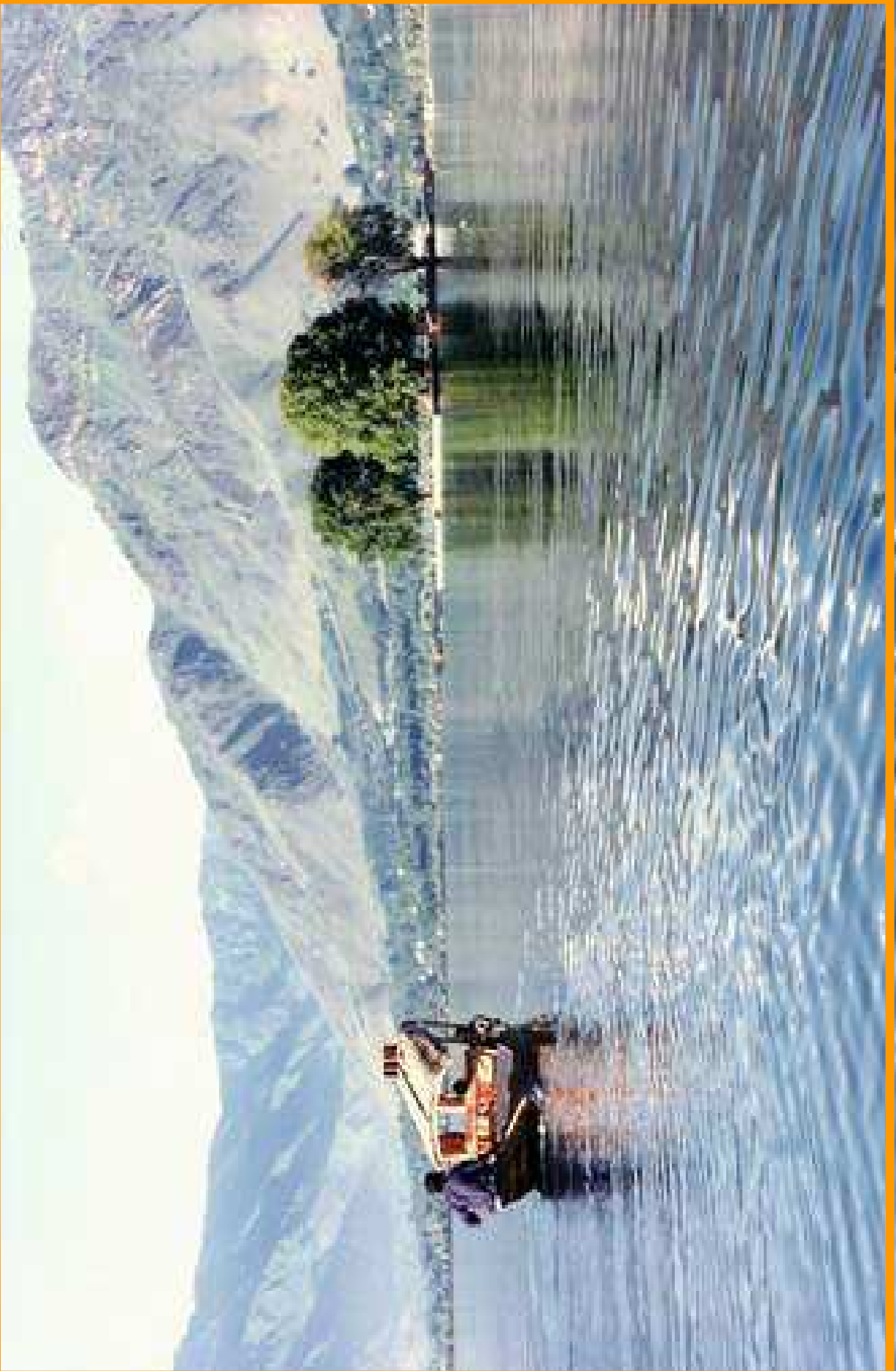


Mount Kailas, Himalayas

“abode of snow” – in Sanskrit



The Beauty of Kashmir



Varanasi, Ganges River



Western Thar Desert, Rajasthan



“Gods blessed region”, Kerala





The deities of India



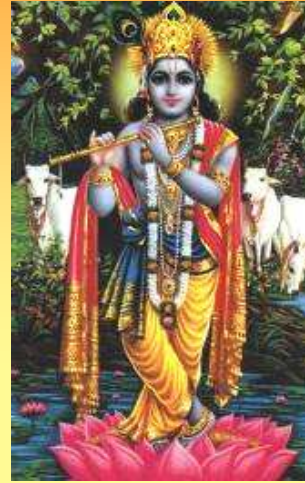
1 Billion people, 1 Billion Deities !



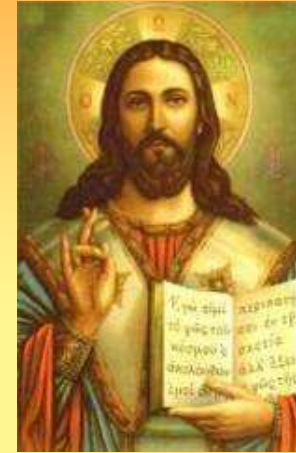
Lakshmi



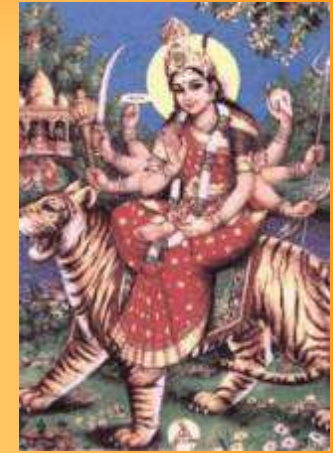
Buddha



Krsna



Christ



Devi



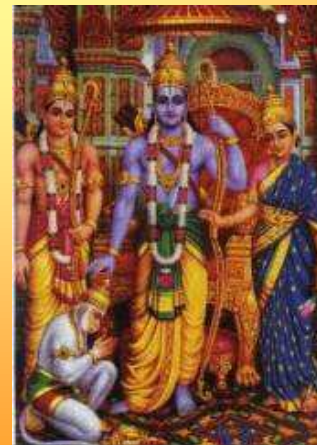
Saraswati



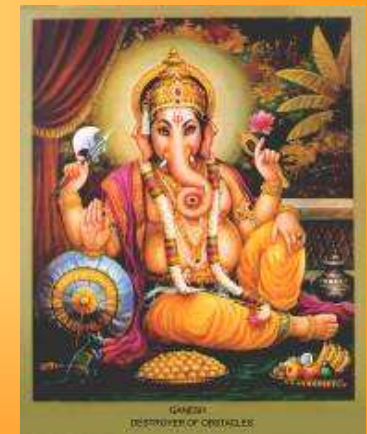
Murugan



Nanak



Rama



Ganesha

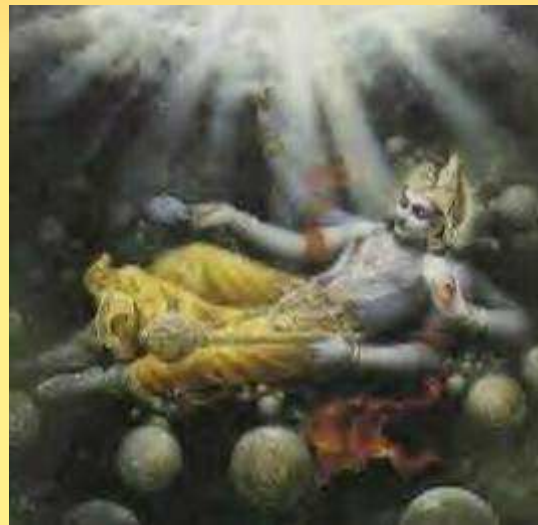


The Trinity



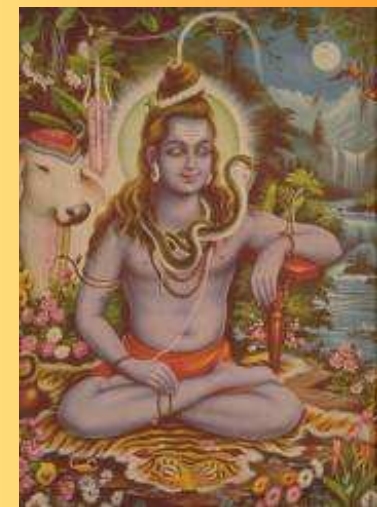
Creator

Brahman



Preserver

Vishnu



Destroyer

Shiva

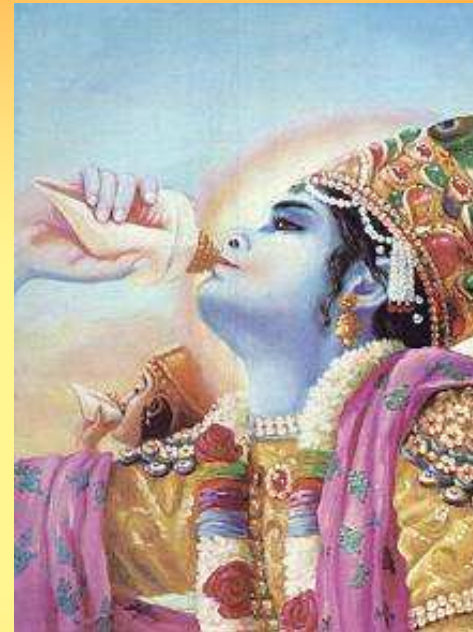


The Ancient Indian Epics



Ramayana

The first Indian epic consisting of 24,000 verses divided into 7 books, composed about 6500 years ago.



Mahabharata

Longest Epic in world literature with 100,000 two-line stanzas, first composed about 5000 years ago.

Please click to advance >

The words of Lord Krishna in the Bhagavad Gita.



Lord Krsna counsels Prince Arjuna during the Great Mahabharata War, in Kurukshetra, India, circa 3100 B.C.,

“After many births the wise seek refuge in me, seeing me everywhere and in everything. Such great souls are very rare.”

“Your very nature will drive you to fight, the only choice is what to fight against.”

“On action alone be your interest, Never on its fruits.

Let not the fruits of action be your motive, Nor be thy attachment to inaction. “

“This is how actions were done by the ancient seekers of freedom; follow their example: act, surrendering the fruits of action.”

“For certain is death for the born, and certain is birth for the dead; Therefore over the inevitable you should not grieve. “

“For the uncontrolled there is no wisdom. For the uncontrolled there is no concentration, and for him without concentration, there is no peace. And for the unpeaceful how can there ever be happiness? “

“When a man dwells on the objects of sense, he creates an attraction for them; attraction develops into desire, and desire breeds anger.“



The 4 kinetic ideas behind Hindu Vedic Spirituality

Karma

The law of universal causality, which connects man with the cosmos and condemns him to transmigrate.

Maya

The world is not simply what it seems to the human senses.
Absolute reality, situated somewhere beyond the cosmic illusion woven by Maya and beyond human experience as conditioned by Karma.

Nirvana

The state of absolute blessedness, characterized by release from the cycle of reincarnations; freedom from the pain and care of the external world; bliss.

Yoga

Implies integration; bringing all the faculties of the psyche under the control of the self

Please click to advance >



“AUM” or “OM”

The first sound of the Almighty – Infinite Reality - Oneness with the supreme



is the Sanskrit word for;

Amen (Christian)

Amin (Muslim)

Aum (Hindu)

Hūm (Bhuddist)

Please click to advance >

**I hope you
enjoyed these
facts!**

**Presented by
Shailesh L. Joshi**