# Vedangas:

- They are a collection of supplementary desciptions related to the study of vedas their limbs of vedas are called redorges. called redorges.

It serves and support the enhancing role in study preserve and defense q veda and vedic traditions

- It includes: Veda

#### Shouthi

- Sambita
- Brahmana
- Aranyaka
- Upams hads

# Smriti (clemps)

- ) siksha
- 2) chhanda
- 3) Vyakarana
  - 4) Nisukla
- 5) Jyotisha
- 6) kalpa

the 6 limbs of vedas - 6 redanges based on smriti literature:

- 1) siksha Phonetics
- 2) Chhanda meter
- 3) Vyakarana grammas
- 4) Nirukta etymology
- 5) Jyothisha (astronomy astrology)
- 6) Kolpa (nituals)
- ) they are the fundamental & integral element of traditional reduce education system.

## Importance of vedangas

- > Vedangas preserve integrity and holiness of the vedic tradition by providing eductation of vedas.
- ) They provide system which gives how to recite the vedic hymns, comprehend their significance, and provide produce procedures for performing vituals & ceremonies
- =) It gives educate the sense of discipline and respect
- ancient

  =) As per author Kalidasa and Kalhana vedanga

  contribute a great role in language sons knit by

  accepting it as olominant language g ancient communation
- =) Buddism and Jainesm also incorporated sonsknit as primary language of communication and also in the education system due to vedanges.
- =) Veolongas given importance for the study of Buddism of Buddist literature. It preserving tradition, by regions like Japan, china, Vietnam, Thailand, Malaysia, Tibet etc.
- e) vedangas have significant importante indevotional worship agama-lemple traditions understanding a development of human language & linguistics & socio-religious aspects
- Deksha ! Its the study of words, & syllable promuncially wells proper intonation, conjuction (sonahi)—vowels and disjunction (vichcheda)—consorants q syllables.
  - =) It provides proceduce on recitation of vedic hymns,

- execution of the riles of ritual, education on art & science loords & syllables.
- as Akshana Brohman who leads to mortal for dharma and welfare of note world.
  - => statishe is developed as study to preserve he integrity of punity of the divide words & chartings & save dharma
- -) Teaching of siksha based on prehistoric leterature is called Pratisakyas which is also called parsada which means vedic era manual
- »). Pratisation gives a precision of consistent pronounciation of word technique which is tied to a specific sombita called tailtriga Sambita which gives guidlines for recisting the hymns.

Sansknit

vedec classic

(by veda (by paneni)

vyaso)

Panini -> Creator of sonsknt in 4th century Be

=> Father of linguistic and composition of
panini is called -> Asthadyaya = which
is an 8 chapters leterature book on the
language sonsknit during shunga
dynasty.

- Demfore panini many grammarians like Saturata toho crealed saunata sambithe which is mention in Albarra reda, had also contributed in pratisathyas
- erbal communication by establishing the fundaments of rules of proper pronounciation
- e) Apart from panincya siksha, siksha include Shiksha
  valli from tai thriya samhitha & Actereya Aranyaka
  upamshad
- =) they give the phonetic aspects of veda chanting, proper pronounciation of veda mantra; clear transmission of sacred knowledge by oral recitation tradition to the generations.
- -) Panini Sittesha z) contributes on phonetics, pronouring and accentuation
  - =) Set foundation on proper into nation Sounds, rendering precision q vedic hymns and nituals

Shiks ha valli = gives knowledge of vedic phonetes
to vedic students emphasizing the
sacredness q accurate sound intoning.

- Arangaka = ) Hows on reduce phonetics as an integral

  Arangaka = ) Hows on reduce phonetics as an integral

  part q reduce rituals and meditation
- and outlining the Pratisathya for not taking ansk g imperfection in customs & rituals due to lack & skill.

- ) Its based on meter style used in composition of various reduce hymns. done
- =) Pingalanaga's Chlandashastra is the oldest teach with during 15th or 16th BC. centery which divide meter base on .
  - ) syllabic verse = , called aksaravrita
  - 2) syllabo quantitative verse > varnavnita
  - 3) quantitative verse -) matravritta.
- in sonskint which have 8, or 12 or more syllables used in hymns (eg of syllables = ': '' ' 'and')
- =) their the pada is divided based of number of syllables to pada

lagher pada Guoupada (lighter number) (heavier number)

- g: major ancient meter in sansknit
  - 1) Gayatri The chapter of 24 syllables
    rig veda 8 -) (3 verses x 8 syllables)
  - 2) Tristubb karga | drama 44 syllabes

    play part q =) (4 verses x 11 syllably

    mahaborath
- 3) Jagathi = 1st chapter = 48 syllables in nig veda (4 verses x 12 syllable)

- e) Chandrashastra which is in smrti literature had a role in Indian music, sonskrif poetry and many other language composition

  a) Beside Pengala's Chhandasutra ) another important
  - contribution by kedara Bhatta (vrittarathnakara)

    which a very famous poetic meter and art q

    composing verses in sanskrb.
  - e) chando manjari -) by shambhudera =) pronded importance q prosody & poetic expression, oftening value in dept q indican poetry.
  - \_Chhando surha by pingala principles a prosody
     Classify vedic motes
     Rules for poetre
    Composition
  - Vnittaratrakara by kedon bhatta art g creating different types q verses.
  - asthetion of poetic expression

     chhandomanjani by shambhudera expand poetic

    meter

     provide knowledge
  - for aspining poets & scholars.
- 3) Vyakarana e It focus on Sansknit grammar Ital includes word analysis & breakdown, word roots, word fermation & sentence patterns. It helps readers to grasp language. His tre mouth of veda purusha
- Ashtadhqui q panini prevales lhe traditions & conserving member features generation. It contains 4000 sutras which is the relevant part of sanskrit gammer

like - shirasutra -) Ash-ladyayi includes subres shive sutra - includes phonetics.
- intonation of sound units. - characteristic part of word - letter sounds It includes creation of words and phrases in the Bansknit language - subject & Ashtadhyayi thus the pada based on Ashtadhyays is divided into D Dhatupada - Denived woords (Roofs) 2) Ganapada - Nominal Words (nouns and phrases) That It various contribution of grammeners are! 1) Ashtadhyayi' - by panini - masterpiece in sanstnit-- Hormati lhat gires e generative grammer system gives all valid combination of sansknt words 2) Katantra Vyakanana' - bej katyayana. - additional insights in to grammer - complimenting to parinils cook 3) Vaiyakaransiddhanta kaumudi - Bhattoji Dikshita q "Siddhanta kaumudi" - Varadaraja - explains and elaborate as the poninis sutra it simplifieds and make more accessible to the coming generation of redic students!

- Mirakta: Its the steady of origin growds and interpretation & explanation of difficult words. Its ears of vector purus ha It gives the his long of languistre and explain the hard words in vectors challenging counds in dictionaries gives an enalysis of essential studies to be done and various comprehensions of vector of vectors.
- Yaksha the femous grammarian before panini, who represented the field wirelet a with is great contribution found named.

  Nighantu meaning dictionary in sanskrit)
- =) This field deals with
  - interpretation & study of difficult sonshint word
  - gives perceptions given into the vedas
  - hidden meaning of the vedas
  - linguistic and philosophical significance of vedec language.
  - eg: heat -> came-from middle english (hete) -> came-from German word -> hitze -> means hot
- Ancient scholars contributed in this primary text on etymology called Nexukta
  - 1) Yaksha primary text on etymology
  - vedic words
    - it aids in understanding gradic tests with difficult words.
  - 2) katyayana g Sakatayana empansion g yaksha work

- and interpretation of words.
- 3) Amara kosha by Amara simha enrich the study of etymology
   its a detected texts vocabulary of sanskn't words.
- 5) Tyothisha: It focus on the celestral and ostrological aspects where auspicious data q time is chosen for vituals, arremonies q sacrement
  - =) Auspraious hour is based on the location of the luminous boolies such as sun, moon, stors & other celestrol bodies.
- 3 age Bhingu: first astronomer who compile a dalabase q every person who will ever be born on both.

Important Ancient Indian works on Astronomy

- 1) Tyotisha vedangas by maharshi Lagadha (400BC)
  - its called as eye of vada perrusha organ of sight
  - It conveys rales to calculate & fix the time for vedice sacrifies.
- 2) Siddhanta (sunya siddhanta) by a Hindu Romaka Siddhanta Astronomer Phaindralal Giangooly Paulisa " It give accurate prediction a planetary Pitamana " movements, alculate eclipse & measuring time:

3) panchasida hantika: - by varahamihira - 6-16. (Indian astronomer q moltemedian) contuny - It includes detailed tables and diagrame to illustrate the principles & Indian Astronomy. It covers planetary motion, eclipses, and celestral phenomena. its a valuable resource for scholors of Indian Astronomy and marthematres - part & the knowledge base & civilization by Anyabata (600 AD) - 5th century 4) Anyabhatiya Indian mathematician - discovered pi value. चत्रश्चमम शतमा , अव्देगुण्म द्वाषां तथा (4 † 100)=104 x8 = 832 द्व 62 সहशोगमा अधित हिया विकासिस्य आसी : वृत्ति (cixle) X1000 = 62000; 10000 x 2 = 20000 Biameter approx (fold) 412011& (ciscum ference) | Circumference | 822 (100+4) ×8+(62×1000) for a circumference | (2×10000) = TD = 832 + 62000 =) Circumform = 832 + 62000 =) Circumfon 20000 Diameter - : circum ference 62832 = 3.14 -> 11 value Diameter - It suggest the earth notates on its axis daily mathematical park covered as thmetic, algebra plane trig nometry of spherical long nometry. thus it gives the theory of spinning of earth and the periods of planet counted through the sun.

- 5) Brahmagupta books Brahmasphuta siddhanta - Khandakhadyaka - 665 mg
  - He discovered the moon is closer to Earth than the sun and methods for calculating position of celentral bodies, rise of set times of prediction of lunary solar eclipses.
  - He defined zero" in 7th century -> it was called shanga in sanskrit means empty and used zero in another eq algebra system & maths
  - He developed a formula to solve quadratic equation which was known as Brahmagupta formula.
- He was the 1 st mathematician to give formula for the are of a cyclic quadrilateral.
- > Jyothisha plays significant role in creating vedra calendar, aistrological charts, for performing rituals & coremonies.
- \_ it gives significants in determination q data, time and location q sacrificial ceremonies q vituals.
- Used for determining the time of day & might, day & the week, period & seasons, month, year and study & motion & sun, moon, stars planets & other celestral bodies
- Historians believe knowledge of Jyothisa started from Mesopotamia, -> then egypt, then persia, g Greece by travalers -> then to Islamic world when I new conquered -> then its transmitted tous.

- 6) Kalpa", = It includes the practical, ceremonial, Its called arms of vacto veda purusha which is.
- intended for proper application & vedre texts or vedre applied science!
- ) Kalpa sutra ) sutra is the thread / connection, & Kalpa - sacred law, a rules
- Collection & scitra called Kalpascitra, includes some category of south liter aterse (well Brahmanas and Arangakas)
- = sutras are strands of information used to remember the guidelines and rules carried during vedre sacisficu
- = It makes all complicated redic knowledge to simple form for transmitting easily to generation.

there are 4 types of Kalpasutras:

- 1) Sbrauta sutras it specifies :
  - manners in which sacrifies and ntes must be performed
    - Priests dats hina (fee amount)
    - kind a painthment given for the breaking of laws of nituals
- is writen in 16th controlls contany BC
  - 2) Gritiga sutras: It deals with domestic ceremonies
    - since the 3 upper classes (Brahmans, Kishatnya Evarsya) uphold dharma of lives with truth of redha:-

Grityasutras prescribe domestic nites and nituals, duties and responsibilitées intended for mêm in household.

It deals with religious ? 3) Dharma sutras

- It discuss the code of behavious, duties & distinct castes, standard. for behaviour, marriage, academic and social behaviour for both men - It also deals with penality of violation

#### Tew Dhormasutas from Vedic era

- Bandhiyana y shukla Yajur veda ? Connected to Apas mamba To Knishna Yajur veda Yajur veda Yajur veda - Vashostha - connected to Rig veda

Important Kalpasutras - law book of ancient times ( 1st century AD)

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- D Manu smonth
- 2) Vishnu smonti
- 3) Yagnavalkya smnti

and - animal of the sail

4) Navad smitti

- thouledge of celestral bodies and their motions counch benefit the work of ancient Indian astronomous.
- objects, markemertical egalim and observational methods are used.
- =) the timing of miles, festival and agricultural en deavors are based on observation & celestral body.
- -) Astrology is developed based on Astronomy.

#### Indian Health Science:

- =) Ayurveda 13 the root ganaient Induan medical system which represents Indian health science.
- -) Agunveda deals with a hormony of the body, mind and soul (spirit) which gives good health.
- 2) Agurreda treatment is based on the person's.
  prakriti (body nature), way of life, diet & environment
- =) Ayurreda deals with streams including yoga, meditation, diet and nutrition, lifestyle suggestions herbal medicing detac process & therapies.
- an optimum health.

## Connection between Astronomy and Health science

- As tronomy and health science are interlinked with prehistone India.

=) the astrological aspects & planet positions and him cycles effect the burnan body & lives which can be duagnossed while treatment - hence connected to Ayurreda =) In Ayurveda - Idea of Nakshatras' (lunar mansoni connects cortain medical herbs and their curring property g: Bhorani (2rd) Nakshatra - connected to goose berry knitka (3rd) " connected to fig Robini (4th) ")
(Krishna) Jamas Britaspati Quan Dushya Lath - peepal magha ( 10th) -Banyan Planets connected to human body of chakras. Oshani) Root chama Nose - Foots element (muladhona) (smell) Include bladder water 2) Jupiter Svadhisthana Reproductive - (torque) (Gova) Brahospoto (sacral chatra) Solar Pleacus Include - fire - affect Stomach element (sight) 3) Mars Mongal Heart chakra (manypura) (Include) - Air - sense g lungs - element touch 4) Venus. Shukra Heart chakra Anahata) space - sound element (Always hollow & empty) 5) Meany-Imoatchaha Chudha) Vishuddha) sung Ajna (3rdeye) chakra) Moon pole Son & Holy Spirit

7) Beyond all Crown chakra the Talhes the planets (sahasia) ( Creator of universe) Ancient record on observation g celestral body molton D Rig Veda:

It gives several hymns which inform about the movement feature and importance of motion of celestral body in vedic cosmology

eg: 1st text = 1:50 - explain about the daily ascent & descent & sun's (sunya bhagwan) chanot

10th-text-10:85- explains warring and wairing of moon (amovasya-poornima).

5th tenet - 5.40 - explains about stons as Nakshatra Ibat is in cosmic order

Yajur reda: - Its called as tronomical reference - It explains about the nites & the sacrifice procedures

- Section q yayurreda - (Taittiniya Samhita)

- It describes the position and motion of celestral body with respect to Earth

- It gives information based on sun and moon measurements which gives direction for calculation a solor, lunar phases & eclipses.

Though reduce books reflect the observation concept of celestral bodies, the oncient somptures do not

Provide accurate mathematical competation or astronomical models. their later centeries - siddhantic astronomy Ostronomers - Aryabbala gire siddhartic
Varahamitira gire siddhartic
Breitmagapta astronomy - comes gives marthemortical models and competertram to predict of define the positions and movements & celestral bodies Ancient Indian Medicine Hs traditional medical prevotra - naturopathy Ayurreda - science q life

- holistre medical system gives balance
between body, mind q socil. It includes yoga, meditation, detox techniques & food diet with heshal treatment Various streams of Ayurveda 1) Kaya chikitsa - General medicine 2) Shalya Tantra - sungery
3) Agada Tantra - toxicology
(visha chikitsa) 4) Bala Tanta - Pediatrics. 5) Rasayana - Rejuvenating treatment 6) vala-aadhi nade chikitsa - Necero logy 7) Stri Roga q Prasuti Tantra - Gyncoology

- 8) Netra poniksta Ophthalmology khaphaja Linganasha - (Sateract operation)
- 9) Shalakya Tanta \_ ENT
- 10) Danta shastra Dentistry
- 11) Bhagna Chikitsa Orthopedic

## Botheshor. Doshos in Agurreda.

and there are 3 doshas a agurveda

- bodily physiology and process with the combination of 5 elements
- =) the imbalance in the aspects of doshow create diseases in human body hence restoring dosa give balance and harmony to mountain healthy 3 doshos are 'o-
- D Vala (Air + Space)

   Its related to air & space which governs mobility and invention & verbal exchange -

telk, breath, ashma

- 2) Potta (Fire + Water)
  - e) its in charge a metabolism, digestion and transformation (food, eat-food habits)
- 3) Kapha (soil & + water)
  - -) It offers stability, support and natrition = type of food-(Sathwik, rajasik, thomas)