

**GLOSSARY OF TECHNICAL TERMS IN
INDIAN ASTRONOMY**

English to Sanskrit

Altitude	-	<i>Unnati</i>
Anomaly	-	<i>(Manda) Kendra or (Śīghra) Kendra</i>
Apogee or aphelion	-	<i>Mandocca</i>
Celestial equator	-	<i>Viṣuvādvṛtta</i>
Celestial latitude	-	<i>Kṣepa, vikṣepa śara</i>
Conjunction	-	<i>Yuti</i>
Declination	-	<i>Apakrama, Krānti</i>
Ecliptic	-	<i>Krāntivṛtta</i>
Equation of centre	-	<i>Mandaphala</i>
Equation of conjunction	-	<i>Śīghraphala</i>
Equinoctial shadow	-	<i>Akṣabhā, palabhā</i>
Equinox	-	<i>Viṣuva, Krāntipāta</i>
Gnomon	-	<i>Śaṅku</i>
Hypotenuse	-	<i>Karṇa</i>
Lunar occultation	-	<i>Samāgama</i>
Orbit	-	<i>Kakṣā</i>
Parallax in latitude	-	<i>Nati</i>
Parallax in longitude	-	<i>Lambana</i>
Perigee	-	<i>Mandanīca</i>
Polar longitude	-	<i>Dhruvaka</i>
Pole of the cel. equator	-	<i>Dhruva</i>
Precession of the equinoxes	-	<i>Ayanāmsā</i>
Solstice	-	<i>Ayanānta</i>
Transit	-	<i>Saṅkrama</i>
Zodiac	-	<i>Bhacakra</i>

Sanskrit to English

<i>Abda</i>	-	Year
<i>Adhikamāsa</i>	-	Additional (intercalary)lunar month
<i>Ahargana</i>	-	Number of civil days elapsed on a given day since a chosen epoch
<i>Amāvāsya</i>	-	New moon day
<i>Ārdharātri</i>	-	Calculation from the midnight
<i>Bhāga</i>	-	One degree of arc
<i>Bhuja</i>	-	Base of a right-angled triangle
<i>Bīja</i>	-	Correction
<i>Bimba</i>	-	Angular diameter of a body
<i>Cakra</i>	-	Circle
<i>Candra</i>	-	The Moon
<i>Gati</i>	-	Motion
<i>Kalā</i>	-	Time
<i>Kalīyuga</i>	-	The last day of a <i>Mahāyuga</i>
<i>Kendra</i>	-	Anomaly of a heavenly body
<i>Ketu</i>	-	Descending node of the moon
<i>Krānti</i>	-	Declination
<i>Mahāyuga</i>	-	Great age consisting of 432×10^4
<i>Nadi</i>	-	$1/60^{\text{th}}$ of a day
<i>Pāda</i>	-	A quarter, quadrant
<i>Padaka</i>	-	Numerical table
<i>Pakṣa</i>	-	Fortnight, half of a lunar month
<i>Pala</i>	-	A unit of time
<i>Pāta</i>	-	Node of the moon
<i>Purṇimā</i>	-	End of the full-moon day
<i>Rāhu</i>	-	Ascending node of the moon
<i>Rāśi</i>	-	Zodical constellation; each 30° extent

<i>Ṛtu</i>	-	Season
<i>Śaka</i>	-	Era of King Śālivāhana commencing in the year 78 C.E.
<i>Sāriṇī</i>	-	Numerical table
<i>Tithi</i>	-	$1/30^{\text{th}}$ of a lunar month
<i>Ucca</i>	-	Apogee
<i>Udaya</i>	-	Rising
<i>Varṣa</i>	-	Year
<i>Vara</i>	-	Weekday
<i>Vinādi</i>	-	$1/60^{\text{th}}$ of a <i>nādi</i> ; 24 seconds
<i>Vipala</i>	-	$1/60^{\text{th}}$ of a <i>pala</i>