

Ascendant & Astrological Tables

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Preface

People associated with the field of Astrology had been looking for a book for a long time which have the collection of the tables used in Astrology. Such useful tables are available at many places but they are random, their collection at one place is rare. In order to fulfil the shortcomings, a number of tables comprising match making, Varshaphal, Lalkitab, K.P., Numerology, Panchang, Mundane Astrology as well as festivals have been incorporated within the ambit of the book.

The tables of Ascendant and Sidereal time are slightly different from Lahiri's Ephemeris but extremely correct and easy. If oral calculation is done using these tables, it is also found to be correct to a large extent. If the birth time converted into Local Mean Time is added in the values obtained from Table-I only, it gives accurate sidereal Time. For the exact calculation only it is essential to perform all the corrections.

Another important feature of the book is that it has taken 24° Ayanamsha as the basis of calculation which enables us to obtain the most accurate result because the base year 2010 is nearer to the 24° Ayanamsha rather than 23° . Most of the books consider 23° Ayanamsha as the basis of calculation.

Other additional feature of the book is that it has incorporated the Tables of Ascendants and Cusp of Tenth house in 10 minutes interval rather than 4 minute. Calculation becomes more complex in 4 minutes interval while it is easy to calculate if the interval is 10 minutes.

So, we can conclude that all the tables incorporated in this book are more correct, clear, easy and from oral calculation's perspective more useful and easy than the tables incorporated in other books.

Besides this book These tables have also been incorporated in Astrological softwares Leo Touch and Leo Star developed by Future Point also.



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All Purpose Mantras

Navgrah Mantra

Planet Tantrik Mantra

Sun	Om Hrang Hreeng Hraung Sah Suryay Namah ॐ ह्रां हीं ह्रौं सः सूर्याय नमः
Mon	Om Shrang Shreeng Shraung Sah Chandramase Namah ॐ श्रां श्रीं श्रौं सः चंद्रमसे नमः
Mar	Om Krang Kreeng Kraung Sah Bhaumay Namah ॐ क्रां क्रीं क्रौं सः भौमाय नमः
Mer	Om Brang Breeng Braung Sah Budhay Namah ॐ ब्रां ब्रीं ब्रौं सः बुधाय नमः
Jup	Om Grang Greeng Graung Sah Guruve Namah ॐ ग्रां ग्रीं ग्रौं सः गुरुवे नमः
Ven	Om Drang Dreeng Draung Sah Shukray Namah ॐ द्रां द्रीं द्रौं सः शुक्राय नमः
Sat	Om Prang Preeng Praung Sah Shanaishcharay Namah ॐ प्रां प्रीं प्रौं सः शनैश्चराय नमः
Rah	Om Bhrang Bhreeng Bhraung Sah Rahuve Namah ॐ भ्रां भ्रीं भ्रौं सः राहवे नमः
Ket	Om Srang Sreeng Sraung Sah Ketve Namah ॐ स्रां सीं स्रौं सः केतवे नमः

Beeja Mantra

Sun	Om Ghrini Suryay Namah ॐ घृणि सूर्याय नमः
Mon	Om Song Somay Namah ॐ सों सोमाय नमः
Mar	Om Ang Angarkay Namah ॐ अं अंगारकाय नमः
Mer	Om Bung Budhay Namah ॐ बुं बुधाय नमः

Jup	Om Bring Brihaspataye Namah ॐ बृ बृहस्पतये नमः
Ven	Om Shung Shukray Namah ॐ शुं शुक्राय नमः
Sat	Om Shang Shanaishcharay Namah ॐ शं शनैश्चराय नमः
Rah	Om Raang Rahave Namah ॐ रां राहवे नमः
Ket	Om Keng Ketave Namah ॐ कें केतवे नमः

Ganesh Beeja Mantra :

Om Gang Ganpataye Namah ।।

ॐ गं गणपतये नमः ।।

Shri Ganesh Mantra :

Vakratund Mahakaay Suryakoti Samaprabha ।
Nirvighnam Kuru me dev sarvakaryeshu sarvada ।।

वक्रतुण्ड महाकाय सूर्यकोटि समप्रभ ।
निर्विघ्नं कुरु मे देव सर्वकार्येषु सर्वदा ।।

Ganesh Gayatri Mantra :

Om Ekdantay Vidmahe Vakratunday Dhimahi Tanno Danti Prachodayat ।।

ॐ एकदन्ताय विद्महे वक्रतुण्डाय धीमहि तन्नो दन्ती प्रचोदयात् ।

Shri Mahalaxmi Beeja Mantra :

Om Shreeng Mahalakshmyai Namah ।।

ॐ श्रीं महालक्ष्म्यै नमः ।।

Shri Lalita Tripur Sundari Beeja Mantra :

Om Shree Lalita Mahatripursundaryai Shree Mahalakshmyai Namah ।।

ॐ श्री ललिता महात्रिपुरसुन्दर्यै श्री महालक्ष्म्यै नमः ।।

8 All Purpose Mantra

Shri Mahalaxmi Mahamantra :

Om Shreeng Hreeng Shreeng Kamale Kamalalaye
Praseed Praseed Shreeng Hreeng Shreeng Om Mahalakshmyai Namah ।।

ॐ श्रीं ह्रीं श्रीं कमले कमलालये प्रसीद प्रसीद श्रीं ह्रीं श्रीं ॐ महालक्ष्म्यै नमः ।।

Shri Mahalaxmi Gayatri Mantra :

Mahalakshmyai Cha Vidmahe Vishnupatnyai Cha
Dhimahi Tanno Lakshmih Prachodayat ।।

महालक्ष्म्यै च विद्महे विष्णुपत्न्यै च धीमहि तन्नो लक्ष्मीः प्रचोदयात् ।।

Shri Mahalaxmi Pauranik Mantra :

Ya Devi Sarvabhuteshu Laxmirupen Sansthita ।
Namastasyai Namastasyai Namastasyai Namonamah ।।

या देवी सर्वभूतेषु लक्ष्मीरूपेण संस्थिता ।
नमस्तस्यै नमस्तस्यै नमस्तस्यै नमोनमः ।।

Shiv Gayatri Mantra :

Om Tatpurshay Vidmahe Mahadevay Dhimahi Tanno Rudrah Prachodayat ।।

ॐ तत्पुरुषाय विद्महे महादेवाय धीमहि तन्नो रुद्रः प्रचोदयात् ।

Shani Vedic Mantra :

Shang No Devirbhishtay Aapo Bhavantu Peetaye Shang Yorabhi Sravantu Nah ।।

शं नो देवीरभिष्टय आपो भवन्तु पीतये शं योरभि स्रवन्तु नः ।।

Pauranik Shani Mantra :

Neelanjan Samabhasam Raviputram Yamagrajam ।
Chhayamartanda Sambhutam Tam Namami Shanaishcharam ।।

नीलाञ्जन समाभासं रविपुत्रं यमाग्रजम् ।
छायामार्तण्डसम्भूतं तं नमामि शनैश्चरम् ।।

To get a male baby - Santan Gopal Mantra :

Om Devakisut Govind Vasudev Jagatapate ।
Dehi Me Tanyam Krishna Tvamaham Sharanam Gatah ।।

ॐ देवकीसुतगोविंद वासुदेवजगत्पते ।
देहि मे तनयं कृष्ण त्वामहं शरणं गतः ।।

Mantra to get a virtuous wife :

Patni Manoramang Dehi Manovrittanasarineem I
Tarinim Durgasansar Sagarasya Kulodabhavaam II

पत्नी मनोरमां देहि मनोवृत्तानुसारिणीम् ।
तारिणीं दुर्गसंसारसागरस्य कुलोद्भवाम् ॥

Mantra for - To get a good husband :

Katyayani Mahamaye Mahayoginya Dheeshwari I
Nandgopsutam Devam Patim me Kuru Te Namah II

कात्यायनि महामाये महायोगिन्य धीश्वरि ।
नन्दगोपसुतं देवं पतिं मे कुरु ते नमः ॥

Mantra for the removal of obstacles :

Sarvbadha-Vinirmukto Dhandhanyasutanvitah I
Manushyo Matprasaden Bhavishyati Na Sanshyah II

सर्वाबाधा—विनिर्मुक्तो धनधान्यसुतान्वितः ।
मनुष्यो मत्प्रसादेन भविष्यति न संशयः ॥

Mahamrityunjaya Beeja Mantra for the removal of illness :

Om Haung Joong Sah Om

ॐ हौं जूं सः ॐ

Mahamrityunjaya Mantra for the removal of illness :

Om Trayambakam Yajamahe Sugandhim Pushtivardhanam I
Urvarukmiv Bandhanan Mrityormukshiya Maamritaam II

ॐ त्र्यम्बकं यजामहे सुगन्धिं पुष्टिवर्धनम् ।
उर्वारुकमिव बंधनान्मृत्योर्मुक्षीय मामृतात् ॥

Highly effective Shadpranav Mahamrityunjaya Mantra :

Om Haung Joong Sah Om Bhoorbhuvah Swah
Om Trayambakam Yajamahe Sugandhim Pushtivardhanam I
Urvarukmiv Bandhanan Mrityormukshiya Maamritaam II
Om Swah Bhuvah Bhooh Om Sah Joong Haung Om

ॐ हौं जूं सः ॐ भूर्भुवः स्वः ॐ त्र्यम्बकं यजामहे सुगन्धिं पुष्टिवर्धनम्,
उर्वारुकमिव बंधनान्मृत्योर्मुक्षीय मामृतात् ॥ ॐ स्वः भुवः भूः ॐ सः जूं हौं ॐ

10 All Purpose Mantra

Baglamukhi Mantra :

Om Hleeng Baglamukhi Sarvadushtanam Vacham Mukham Padam Stambhay I
Jihvaam Keelay Buddhim Vinaashay Hleeng Om Namah I I

ॐ ह्रीं बगलामुखि सर्वदुष्टानां वाचं मुखं पदं स्तम्भय ।
जिह्वाम् कीलय बुद्धिं विनाशय ह्रीं ॐ नमः ॥

Aakarshan Mantra :

Aakarshay Mahadevi Rang Mam Priyam
He Tripure Devdeveshi Tubhyam Namami Yachitam I

आकर्षय महादेवि रं मम् प्रियं हे त्रिपुरे देवदेवेशि तुभ्यं नमामि याचितम् ।

Navagrah Prarthana Mantra :

Om Brahma Muraristripurantkari Bhanuh Shashi Bhoomisuto
Budhashcha Gurushcha Shukrah Shani Rahu Ketavah
Sarve Grahah Shantikara Bhavantu I

ॐ ब्रह्मा मुरारिस्त्रिपुरान्तकारी भानुः शशी भूमिसुतो
बुधश्च गुरुश्च शुक्रः शनिराहुकेतवः सर्वे ग्रहाः शान्तिकरा भवन्तु ।

Gayatri Mantra :

Om Bhoorbhuvah Swah Tatsaviturvarenyam Bhargodevasya
Dheemahi Dhiyo yonah Prachodayat I I

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गोदेवस्य धीमहि धियो योनः प्रचोदयात् ॥

Batuk Bhairav Mantra :

Om Hreeng Batukay Aapaduddharnaay Kuru Kuru Batukay Hreeng I

ॐ ह्रीं बटुकाय आपदुद्धारणाय कुरु कुरु बटुकाय ह्रीं ।

Mantra to get Property:

Durge Smrita Harasi Bheetimashesh Jantoh Swashtaih
Smritamati Mateev Shubhaam Dadaasi I
Daaridraya Dukh Bhayharini Ka Twadanya Sarvopakarkarnaay Sadardrachitta I I

दुर्गे स्मृता हरसि भीतिमशेष जंतोः स्वस्थैः स्मृतामति मतीव शुभां ददासि ।
दारिद्र्य दुःख भयहारिणि का त्वदन्या सर्वोपकारकरणाय सदार्द्रचित्ता ॥

Mantra for all types of welfare :

Sarvamangal maangalye Shive Sarvarth Sadhike I
Sharanye Trayambake Gauri Narayani Namostute I I

सर्वमंगल मांगल्ये शिवे सर्वार्थ साधिके ।
शरण्ये त्र्यम्बके गौरि नारायणि नमोस्तुते ॥

Mantra to get power :

Shrishtisthiti Vinashaanaam Shaktibhoote Sanatani ।
Gunaashraye Gunamaye Narayani Namostute ॥

सृष्टिस्थिति विनाशानां शक्तिभूते सनातनि ।
गुणाश्रये गुणमये नारायणि नमोऽस्तु ते ॥

Mantra to get rid of Problems :

Sharnaagat Deenartam Paritraan Parayane ।
Sarvasyartihare Devi, Narayani Namostute ॥

शरणागतदीनार्तपरित्राणपरायणे ।

सर्वस्यार्तिहरे देवि, नारायणि नमोऽस्तु ते ॥

Mantra to get rid of fear :

Sarvaswaroope Sarveshe Sarvashakti Samanvite
Bhayebhyastrahi No Devi ! Durge Devi Namostute ॥

सर्वस्वरूपे सर्वेशे सर्वशक्ति समन्विते ।
भयेभ्यस्त्राहि नो देवि ! दुर्गे देवि नमोऽस्तु ते ॥

Mantra for protection :

Shoolen Pahi No Devi ! Pahi Khadagen Chambike
Ghantaswanen Nah Pahi, Chapajyanih Swanen Cha ॥

शूलेन पाहि नो देवि! पाहि खड्गेन चाम्बिके ।
घण्टास्वनेन नः पाहि, चापज्यानिःस्वनेन च ॥

Mantra - for health and good luck :

Dehi Saubhagyamarogyam Dehi me Paramam Sukham
Roopam Dehi Jayam Dehi, Yasho Dehi Dwisho Jahi ॥

देहि सौभाग्यमारोग्यं देहि मे परमं सुखम् ।
रूपं देहि जयं देहि, यशो देहि द्विषो जहि ॥

Mantra for the Protection from calamity :

Jayanti Mangala Kaali, Bhadrakaali Kapalini ।
Durga Kshma Shiva Dhatri Swaha Swadha Namostute ॥

जयन्ती मंगला काली, भद्रकाली कपालिनी ।
दुर्गा क्षमा शिवा धात्री स्वाहा स्वधा नमोऽस्तु ते ॥

12 All Purpose Mantra

Mantra to get rid of Sin :

Hinasti Daityatejansi Swanenapoorya Ya Jagat I
Sa Ghanta Patu No Devi ! Papebhyo Nah Sutaniv I I

हिनस्ति दैत्यतेजांसि स्वनेनापूर्य या जगत् ।
सा घण्टा पातु नो देवि ! पापेभ्यो नः सुतानिव ॥

Mantra to get Moksha :

Vidhehi Devi Kalyanam, Vidhehi Paramaam Shriyam I
Roopam dehi Jayam Dehi, Yasho Dehi Dwisho Jahi I I

विधेहि देवि कल्याणं, विधेहि परमां श्रियम् ।
रूपं देहि जयं देहि, यशो देहि द्विषो जहि ॥

Mantra to get rid of Sickness :

Rogansheshanpahansi Tushta Rushta Tu Kaaman Saklanbheeshtan I
Twamaashritanaam Na Vipannaraanam Twamaashrita Hyashrayataam Prayanti I I

रोगानशेषानपहंसि तुष्टा रुष्टा तु कामान् सकलानभीष्टान् ।
त्वामाश्रितानां न विपन्नराणां त्वामाश्रिता ह्याश्रयतां प्रयान्ति ॥

Mantra to get endowed with all skills and motherly feeling in all women :

Vidyah Samastastav Devi ! Bhedah Striyah Samastah Sakala Jagatasu I
Twayaikaya Pooritamambayaitat Ka Te Stutih Stavyaparaa Paroktih I I

विद्याः समस्तास्तव देवि ! भेदाः स्त्रियः समस्ताः सकला जगत्सु ।
त्वयैकया पूरितमम्बयैतत् का ते स्तुतिः स्तव्यपरा परोक्तिः ॥

Mantra to get control over anyone :

Mahamaya Hareshchaisha Tatha Sammohyate Jagat I
Gyaninamapi Chetansi Devi Bhagwati Hi Saa I I

महामाया हरेश्चैषा तथा सम्मोह्यते जगत् ।
ज्ञानिनामपि चेतांसि देवी भगवती हि सा ॥

Mantra to destroy any tantrik activity done by enemies :

Tato Nishumbhah Sampraapya Chetnamaattakaarmukah I
Aajghaan Sharairdevim Kaalim Kesarinam Tatha I I

ततो निशुम्भः सम्प्राप्य चेतनामात्तकार्मुकः ।
आजघान शरैर्देवीं कालीं केसरिणं तथा ॥

Astronomical Table

Simplicity and Accuracy of Tables of Ascendant

The tables of Ascendant and Sidereal time incorporated in this part are slightly different from Lahiri's Ephemeris but accurate and easy. Using these tables if we do the oral calculations even, it is found to be accurate to the great extent. If the birth time converted into local Mean Time is added in the values obtained from Table-I only, it gives accurate Sidereal Time. For the exact calculations only, it is essential to perform all the corrections.

Important feature of these tables is that the year 2001 has been taken as the base year and the basis of time for the Sidereal time is taken as 00:00 hrs. in place of 12 noon. This enables us to escape from the calculation whether the birth time is before or after 12 noon, due to this it is not required to calculate the difference from 12 noon and for that period no need to get the correction of sidereal time. We just need to calculate directly as per the birth time.

Another important feature of the book is that it has taken 24° Ayanamsha as the basis of calculation which enables us to obtain the most accurate result because the base year 2010 is nearer to the 24° Ayanamsha rather than 23°. Most of the books consider 23° Ayanamsha as the basis of calculation.

Other additional feature of the book is that it has incorporated the Tables of Ascendants and Cusp of Tenth house in 10 minutes interval rather than 4 minute. Calculation becomes more complex in 4 minutes interval while it is easy to calculate if the interval is 10 minutes.

So, we can conclude that all the tables incorporated in this book are more correct, clear, easy and from oral calculation's perspective more useful and easy than the tables incorporated in other books.

Besides this book These tables have also been incorporated in Astrological softwares Leo Touch and Leo Star developed by Future Point also.

Method to Calculate Lagna

Example-1

Calculate lagna and tenth house for the native born on 12th June 1987 at 3.55 PM in Calcutta.

Answer- First of all calculate sidereal time of birth with the help of Table one.

Sidereal time for 12th June 2001	= 17 ^h 20 ^m 39 ^s
Correction for 1987 (Table-2)	= <u>(-) 02^m 24^s</u>
Sidereal time at noon on 12 June 1987	= 17 ^h 18 ^m 15 ^s
Correction for Calcutta	= <u>(-) 04^s</u>
	= <u>17^h 18^m 11^s(i)</u>

Now we will change the birth time which is 3.55 PM into Local time. Longitude of Calcutta is 88° 30' and longitude of standard meridian of India is 82° 30'. Thus difference between standard meridian and meridian of Calcutta is 5° and 50'. As earth rotates one degree in 4 minutes so we will multiply it with 4. The result will be 23 minutes 30 seconds. As the meridian of Calcutta is ahead of standard meridian of India this will be + 23° and 30 minutes.

IST of birth	= 15 ^h 55 ^m 00 ^s
LMT correction	= <u>+00^h 23^m 20^s</u>
LMT at birth	= 16 ^h 18 ^m 20 ^s

Refer table 4 for sidereal time correction.

Sidereal Time correction for 16 hrs	= + 02 ^m 38 ^s
Sidereal Time correction for 18 min.	= <u>+ 00^m 03^s</u>
	= 16 ^h 21 ^m 01 ^s (ii)

Add equation (i) and (ii) as the birth time is after 12 in the night.

Value of Equation (i)	= 17 ^h 18 ^m 11 ^s(i)
Value of Equation (ii)	= <u>+16^h 21^m 01^s(ii)</u>
	= +33 ^h 39 ^m 12 ^s
Sidereal time of the epoch(after - 24 hrs)	= 09 ^h 39 ^m 12 ^s

16 Astronomical Table

Now calculate janma lagna and tenth house for the sidereal time 09h 39m and 12s. See the table of ascendant in the future panchang on the latitude of Calcutta at 22 ° 35'.

Lagna for 09h 40m	=	6 ^s	25°	49'	
Lagna for 09h 30m	=	6 ^s	23°	37'	
Lagna moved in 10 minutes	=		2°	12'	
Lagna moved in 600 second	=		132'		
Difference of lagna for 9 minutes 12s =552 s	=	132' x	552"		
			600"		
			= 121' 26"	= 2° 1' 26"	
Lagna on 09h 30m	=	6 ^s	23°	37'	00"
9m 12s = 552 second for lagna moved	=	+	2°	01'	26"
	=	6 ^s	25°	38'	26"
Ayanansh correction for 1987 see Table-5	=	+	0°	19'	00"
Lagna	=	6 ^s	25°	57'	26"

Calculation of tenth house and extent of house

To calculate tenth house refer the table of tenth house calculation for the sidereal time 09h 39m 12s in future panchang. This table is given at the end of table of ascendants.

Longitude of 10th house at 09h 40m	=	3 ^s	29°	22'
Longitude of 10th house at 09h 30m	=	3 ^s	26°	49'
	=		2°	33'
Difference in ten minutes	=		2°	33'
Difference in 600 seconds	=		153'	
Longitude of tenth house at 9m 12s = 552s				
Difference of Tenth house	=	153' x	552"	
			600"	
	=	140'45"	=2° 20' 45"	

Astronomical Table 17

Longitude of tenth house at 09h 30m	=	3 ^s	26°	49'	00"
Difference for 8m 07s = 487 s	=	(+)	2°	20'	45"
	=	3 ^s	29°	09'	45"
Aynamsha correction for year 1987					
See Table-5	=	(+)	0°	19'	00"
Longitude of tenth house	=	3 ^s	29°	28'	45"

18 Astronomical Table

Table-1 : Sidereal Time at 00:00 hrs.
(For 82°30'E Long. & for 2001 A.D.)

Date	Sid.Time	Date	Sid.Time	Date	Sid.Time	Date	Sid.Time	Date	Sid.Time
	HH:MM:SS		HH:MM:SS		HH:MM:SS		HH:MM:SS		HH:MM:SS
	January	5	8:59:57	13	11:21:53	19	13:47:45	26	16:13:38
1	6:41:57	6	9:03:53	14	11:25:49	20	13:51:42	27	16:17:34
2	6:45:54	7	9:07:50	15	11:29:46	21	13:55:38	28	16:21:31
3	6:49:50	8	9:11:46	16	11:33:42	22	13:59:35	29	16:25:27
4	6:53:47	9	9:15:43	17	11:37:39	23	14:03:31	30	16:29:24
5	6:57:43	10	9:19:39	18	11:41:35	24	14:07:28	31	16:33:21
6	7:01:40	11	9:23:36	19	11:45:32	25	14:11:25		
7	7:05:37	12	9:27:33	20	11:49:29	26	14:15:21		June
8	7:09:33	13	9:31:29	21	11:53:25	27	14:19:18	1	16:37:17
9	7:13:30	14	9:35:26	22	11:57:22	28	14:23:14	2	16:41:14
10	7:17:26	15	9:39:22	23	12:01:18	29	14:27:11	3	16:45:10
11	7:21:23	16	9:43:19	24	12:05:15	30	14:31:07	4	16:49:07
12	7:25:19	17	9:47:15	25	12:09:11			5	16:53:03
13	7:29:16	18	9:51:12	26	12:13:08		May	6	16:57:00
14	7:33:12	19	9:55:08	27	12:17:04	1	14:35:04	7	17:00:56
15	7:37:09	20	9:59:05	28	12:21:01	2	14:39:00	8	17:04:53
16	7:41:06	21	10:03:02	29	12:24:58	3	14:42:57	9	17:08:50
17	7:45:02	22	10:06:58	30	12:28:54	4	14:46:54	10	17:12:46
18	7:48:59	23	10:10:55	31	12:32:51	5	14:50:50	11	17:16:43
19	7:52:55	24	10:14:51			6	14:54:47	12	17:20:39
20	7:56:52	25	10:18:48		April	7	14:58:43	13	17:24:36
21	8:00:48	26	10:22:44	1	12:36:47	8	15:02:40	14	17:28:32
22	8:04:45	27	10:26:41	2	12:40:44	9	15:06:36	15	17:32:29
23	8:08:41	28	10:30:37	3	12:44:40	10	15:10:33	16	17:36:25
24	8:12:38	29	10:34:34	4	12:48:37	11	15:14:29	17	17:40:22
25	8:16:35			5	12:52:33	12	15:18:26	18	17:44:19
26	8:20:31		March	6	12:56:30	13	15:22:23	19	17:48:15
27	8:24:28	1	10:34:34	7	13:00:27	14	15:26:19	20	17:52:12
28	8:28:24	2	10:38:31	8	13:04:23	15	15:30:16	21	17:56:08
29	8:32:21	3	10:42:27	9	13:08:20	16	15:34:12	22	18:00:05
30	8:36:17	4	10:46:24	10	13:12:16	17	15:38:09	23	18:04:01
31	8:40:14	5	10:50:20	11	13:16:13	18	15:42:05	24	18:07:58
		6	10:54:17	12	13:20:09	19	15:46:02	25	18:11:54
		7	10:58:13	13	13:24:06	20	15:49:58	26	18:15:51
	February	8	11:02:10	14	13:28:02	21	15:53:55	27	18:19:48
1	8:44:10	9	11:06:06	15	13:31:59	22	15:57:52	28	18:23:44
2	8:48:07	10	11:10:03	16	13:35:56	23	16:01:48	29	18:27:41
3	8:52:04	11	11:14:00	17	13:39:52	24	16:05:45	30	18:31:37
4	8:56:00	12	11:17:56	18	13:43:49	25	16:09:41		

20 Astronomical Table

Table-2 : Correction for different years

(To be applied to the result of Table-1)

* Only for January and February

Year	Time Corr.	Year	Time Corr.	Year	Time Corr.	Year	Time Corr.	Year	Time Corr.
	MM:SS		MM:SS		MM:SS		MM:SS		MM:SS
1901	-03:04	1921	-02:27	1941	-01:50	1961	-01:14	1981	-00:37
1902	-04:02	1922	-03:25	1942	-02:48	1962	-02:11	1982	-01:34
1903	-04:59	1923	-04:22	1943	-03:45	1963	-03:08	1983	-02:31
1904*	-05:56	1924*	-05:19	1944*	-04:42	1964*	-04:05	1984*	-03:29
1904	-02:00	1924	-01:23	1944	-00:46	1964	-00:09	1984	+00:28
1905	-02:57	1925	-02:20	1945	-01:43	1965	-01:06	1985	-00:29
1906	-03:54	1926	-3:17	1946	-02:40	1966	-02:03	1986	-01:27
1907	-04:51	1927	-4:15	1947	-03:38	1967	-03:01	1987	-02:24
1908*	-05:49	1928*	-5:12	1948*	-04:35	1968*	-03:58	1988*	-03:21
1908	-01:52	1928	-1:16	1948	-00:39	1968	-00:02	1988	+00:35
1909	-02:50	1929	-2:13	1949	-01:36	1969	-00:59	1989	-00:22
1910	-03:47	1930	-3:10	1950	-02:33	1970	-01:56	1990	-01:19
1911	-04:44	1931	-4:07	1951	-03:30	1971	-02:53	1991	-02:16
1912*	-05:41	1932*	-5:04	1952*	-04:28	1972*	-03:51	1992*	-03:14
1912	-01:45	1932	-1:08	1952	-00:31	1972	+00:06	1992	+00:43
1913	-02:42	1933	-2:05	1953	-01:28	1973	-00:51	1993	-00:15
1914	-03:39	1934	-3:03	1954	-02:26	1974	-01:49	1994	-01:12
1915	-04:37	1935	-4:00	1955	-03:23	1975	-02:46	1995	-02:09
1916*	-05:34	1936*	-4:57	1956*	-04:20	1976*	-03:43	1996*	-03:06
1916	-02:36	1936	-1:01	1956	-00:24	1976	+00:13	1996	+00:50
1917	-02:35	1937	-1:58	1957	-01:21	1977	-00:44	1997	-00:07
1918	-03:32	1938	-2:55	1958	-02:18	1978	-01:41	1998	-01:04
1919	-04:29	1939	-3:52	1959	-03:16	1979	-02:39	1999	-02:02
1920*	-05:27	1940*	-4:50	1960*	-04:13	1980*	-03:36	2000*	-02:59
1920	-01:30	1940	-0:53	1960	-00:16	1980	+00:20	2000	+00:57

Astronomical Table 21

Sidereal Time : Table 2 - contd.

* Only for January and February

Year	Time Corr.	Year	Time Corr.	Year	Time Corr.	Year	Time Corr.	Year	Time Corr.
	MM:SS		MM:SS		MM:SS		MM:SS		MM:SS
2001	+00:00	2021	+00:37	2041	+01:14	2061	+01:51	2080	+03:25
2002	-00:57	2022	-00:20	2042	+00:17	2062	+00:54	2081	+02:28
2003	-01:54	2023	-01:17	2043	-00:41	2063	-00:04	2082	+01:31
2004*	-02:52	2024*	-02:15	2044*	-01:38	2064*	-01:01	2083	+00:33
2004	+01:05	2024	+01:42	2044	+02:18	2064	+02:55	2084*	-00:24
2005	+00:08	2025	+00:45	2045	+01:21	2065	+01:58	2084	+03:32
2006	-00:50	2026	-00:13	2046	+00:24	2066	+01:01	2085	+02:35
2007	-01:57	2027	-01:10	2047	-00:33	2067	+00:04	2086	+01:38
2008*	-02:44	2028*	-02:07	2048*	-01:30	2068*	-00:54	2087	+00:41
2008	+01:12	2028	+01:49	2048	+02:26	2068	+03:03	2088*	-00:17
2009	+00:15	2029	+00:52	2049	+01:29	2069	+02:06	2088	+03:40
2010	-00:42	2030	-00:05	2050	+00:32	2070	+01:08	2089	+02:43
2011	-01:40	2031	-01:03	2051	-00:26	2071	+00:11	2090	+01:45
2012*	-02:37	2032*	-02:00	2052*	-01:23	2072*	-00:46	2091	+00:48
2012	+01:19	2032	+01:56	2052	+02:33	2072	+03:10	2092*	-00:09
2013	+00:22	2033	+00:59	2053	+02:36	2073	+02:13	2092	+03:47
2014	-00:35	2034	+00:02	2054	+00:39	2074	+01:16	2093	+02:50
2015	-01:32	2035	-00:55	2055	-00:18	2075	+00:19	2094	+01:53
2016*	-02:29	2036*	-01:53	2056*	-01:16	2076*	-00:39	2095	+00:55
2016	+01:27	2036	+02:04	2056	+02:41	2076	+03:18	2096*	-00:02
2017	+00:30	2037	+01:07	2057	+01:44	2077	+02:20	2096	+03:54
2018	-00:28	2038	+00:09	2058	+00:46	2078	+01:23	2097	+02:57
2019	-01:25	2039	-00:48	2059	-00:11	2079	+00:26	2098	+02:00
2020*	-02:22	2040*	-01:45	2060*	-01:08	2080*	-00:31	2099	+01:03
2020	+01:34	2040	+02:11	2060	+02:48			2100	+00:05

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Table-3 : Sidereal Time correction for different places

City	Longitude	S.T. Corr.	
		MM	SS
Allahabad	81° 52' E	+ 0	0
Bangalore	77° 36' E	+ 0	2
Bankok	100° 30' E	- 0	12
Mumbai	72° 50' E	+ 0	6
Kolkata	88° 23' E	- 0	4
Colombo	79° 52' E	+ 0	2
Dhaka	90° 25' E	- 0	5
Delhi	77° 13' E	+ 0	3
Greenwich	0° 0' E	+ 0	54
Islamabad	73° 10' E	+ 0	6
Kualalampur	101° 43' E	- 0	13
Chennai	80° 15' E	+ 0	1
Newyork	74° 00' W	+ 1	43
Pune	73° 53' E	+ 0	6
Rangoon	96° 10' E	- 0	9
Varanasi	83° 01' E	- 0	0

Note :

For the Sidereal time correction of other places in India, multiply the difference of Standard Meridien (82°30'E) and the desired place by 66. For the Eastern longitudes the values of Sidereal time Correction will be negative (-) and for the West, it will be positive (+).

Table-4 : Correction for increased time interval

Time	Correction		Time	Correction	
Hour	MM	SS	Hour	MM	SS
1	+0	10	20	3	17
2	0	20	21	3	27
3	0	30	22	3	37
4	0	39	23	3	47
5	0	49	24	+3	57
6	0	59			
7	1	9		Minute	MM SS
8	1	19	6	+0	1
9	1	29	12	0	2
10	1	39	18	0	3
11	1	48	24	0	4
12	1	58	30	0	5
13	2	8	36	0	6
14	2	18	42	0	7
15	2	28	48	0	8
16	2	38	54	0	9
17	2	48	60	+0	10
18	2	57			
19	3	7			

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Table 5 : AYANAMSA CORRECTION

Year	Corr.	Year	Corr.	Year	Corr.	Year	Corr.
100	+26:34	1909	+1:25	1936	+1:1	1963	+0:39
200	+25:01	1910	+1:24	1937	+1:0	1964	+0:39
300	+23:47	1911	+1:23	1938	+1:0	1965	+0:38
400	+22:25	1912	+1:22	1939	+0:59	1966	+0:37
500	+21:01	1913	+1:21	1940	+0:58	1967	+0:36
600	+19:38	1914	+1:20	1941	+0:58	1968	+0:35
700	+18:15	1915	+1:19	1942	+0:57	1969	+0:34
800	+16:51	1916	+1:18	1943	+0:56	1970	+0:33
900	+15:28	1917	+1:17	1944	+0:55	1971	+0:32
1000	+14:05	1918	+1:17	1945	+0:55	1972	+0:31
1100	+12:41	1919	+1:16	1946	+0:54	1973	+0:30
1200	+11:18	1920	+1:15	1947	+0:53	1974	+0:30
1300	+9:54	1921	+1:14	1948	+0:52	1975	+0:29
1400	+8:30	1922	+1:14	1949	+0:51	1976	+0:28
1500	+7:07	1923	+1:13	1950	+0:50	1977	+0:27
1600	+5:43	1924	+1:12	1951	+0:49	1978	+0:27
1700	+4:20	1925	+1:11	1952	+0:48	1979	+0:26
1800	+2:56	1926	+1:10	1953	+0:47	1980	+0:25
1900	+1:32	1927	+1:10	1954	+0:46	1981	+0:24
1901	+1:31	1928	+1:9	1955	+0:45	1982	+0:24
1902	+1:30	1929	+1:8	1956	+0:45	1983	+0:23
1903	+1:29	1930	+1:7	1957	+0:44	1984	+0:22
1904	+1:29	1931	+1:6	1958	+0:43	1985	+0:21
1905	+1:28	1932	+1:5	1959	+0:43	1986	+0:20
1906	+1:27	1933	+1:4	1960	+0:42	1987	+0:19
1907	+1:26	1934	+1:3	1961	+0:41	1988	+0:18
1908	+1:26	1935	+1:2	1962	+0:40	1989	+0:17

Astronomical Table 25

AYANAMSA CORRECTION - *Contd.*

Year	Corr.	Year	Corr.	Year	Corr.	Year	Corr.
1990	+0:16	2018	-0:07	2046	-0:31	2074	-0:54
1991	+0:15	2019	-0:07	2047	-0:32	2075	-0:54
1992	+0:15	2020	-0:08	2048	-0:32	2076	-0:55
1993	+0:14	2021	-0:09	2049	-0:33	2077	-0:56
1994	+0:13	2022	-0:10	2050	-0:34	2078	-0:57
1995	+0:12	2023	-0:11	2051	-0:35	2079	-0:58
1996	+0:11	2024	-0:12	2052	-0:35	2080	-0:59
1997	+0:11	2025	-0:13	2053	-0:36	2081	-1:00
1998	+0:10	2026	-0:14	2054	-0:37	2082	-1:01
1999	+0:09	2027	-0:15	2055	-0:38	2083	-1:02
2000	+0:08	2028	-0:16	2056	-0:39	2084	-1:03
2001	+0:08	2029	-0:16	2057	-0:39	2085	-1:03
2002	+0:07	2030	-0:17	2058	-0:40	2086	-1:04
2003	+0:06	2031	-0:18	2059	-0:41	2087	-1:05
2004	+0:05	2032	-0:19	2060	-0:42	2088	-1:06
2005	+0:04	2033	-0:20	2061	-0:43	2089	-1:07
2006	+0:03	2034	-0:20	2062	-0:44	2090	-1:07
2007	+0:02	2035	-0:21	2063	-0:45	2091	-1:08
2008	+0:01	2036	-0:22	2064	-0:46	2092	-1:09
2009	+0:00	2037	-0:23	2065	-0:47	2093	-1:10
2010	-0:00	2038	-0:23	2066	-0:47	2094	-1:10
2011	-0:01	2039	-0:24	2067	-0:48	2095	-1:11
2012	-0:02	2040	-0:25	2068	-0:49	2096	-1:12
2013	-0:03	2041	-0:26	2069	-0:50	2097	-1:13
2014	-0:04	2042	-0:27	2070	-0:51	2098	-1:14
2015	-0:04	2043	-0:28	2071	-0:51	2099	-1:15
2016	-0:05	2044	-0:29	2072	-0:52	2100	-1:16
2017	-0:06	2045	-0:30	2073	-0:53		

26 Astronomical Table

Ascendant for latitude 0° 0'

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
0	2 6 00	4 3 49	6 8 11	8 6 00	10 3 49	0 8 11
10	8 17	6 26	10 46	8 17	6 26	10 46
20	10 35	9 03	13 21	10 35	9 03	13 21
30	12 53	11 42	15 54	12 53	11 42	15 54
40	15 11	14 21	18 26	15 11	14 21	18 26
50	17 30	17 02	20 58	17 30	17 02	20 58
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
0	2 19 48	4 19 43	6 23 28	8 19 48	10 19 43	0 23 28
10	22 08	22 25	25 56	22 08	22 25	25 56
20	24 28	25 07	28 24	24 28	25 07	28 24
30	26 48	27 50	7 0 51	26 48	27 50	1 0 51
40	29 10	0 33	3 17	29 10	11 0 33	3 17
50	3 1 32	5 3 16	5 41	9 1 32	3 16	5 41
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
0	3 3 54	5 6 00	7 8 05	9 3 54	11 6 00	1 8 05
10	6 18	8 43	10 28	6 18	8 43	10 28
20	8 43	11 27	12 50	8 43	11 27	12 50
30	11 09	14 10	15 11	11 09	14 10	15 11
40	13 35	16 52	17 32	13 35	16 52	17 32
50	16 03	19 35	19 52	16 03	19 35	19 52
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
0	3 18 32	5 22 17	7 22 11	9 18 32	11 22 17	1 22 11
10	21 02	24 58	24 30	21 02	24 58	24 30
20	23 33	27 38	26 48	23 33	27 38	26 48
30	26 05	6 0 18	29 06	26 05	0 0 18	29 06
40	28 39	2 56	8 1 24	28 39	2 56	2 1 24
50	4 1 13	5 34	3 42	10 1 13	5 34	3 42

Astronomical Table 27

Ascendant for latitude 5° 0' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 7 59	4 4 55	6 7 05	8 4 00	10 2 39	0 9 21
10	10 17	7 27	9 36	6 18	5 20	12 01
20	12 34	9 59	12 06	8 35	8 03	14 40
30	14 51	12 33	14 35	10 54	10 47	17 17
40	17 09	15 07	17 04	13 12	13 32	19 54
50	19 26	17 42	19 31	15 31	16 18	22 28
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 21 44	4 20 18	6 21 58	8 17 51	10 19 05	0 25 02
10	24 02	22 54	24 24	20 11	21 53	27 34
20	26 21	25 31	26 48	22 32	24 42	1 0 04
30	28 40	28 08	29 12	24 54	27 31	2 34
40	3 1 00	5 0 45	7 1 35	27 16	11 0 20	5 02
50	3 20	3 22	3 58	29 40	3 10	7 29
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 5 40	5 6 00	7 6 19	9 2 05	11 6 00	1 9 55
10	8 02	8 37	8 40	4 31	8 50	12 19
20	10 24	11 15	11 00	6 57	11 39	14 43
30	12 47	13 52	13 20	9 26	14 29	17 06
40	15 11	16 29	15 39	11 55	17 18	19 28
50	17 36	19 05	17 57	14 26	20 06	21 49
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 20 02	5 21 41	7 20 15	9 16 58	11 22 54	1 24 09
10	22 28	24 17	22 33	19 31	25 41	26 28
20	24 56	26 52	24 51	22 06	28 27	28 47
30	27 24	29 26	27 08	24 42	1 12	2 1 06
40	29 53	6 2 00	29 25	27 20	3 56	3 24
50	4 2 24	4 33	8 1 43	29 59	6 39	5 42

28 Astronomical Table

Ascendant for latitude 10° 0' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>
0	2 10 00	4 5 57	6 6 02	8 1 59	10 1 23	0 10 37
10	12 17	8 25	8 29	4 16	4 10	13 22
20	14 34	10 53	10 55	6 34	6 58	16 05
30	16 50	13 22	13 20	8 52	9 47	18 47
40	19 07	15 51	15 45	11 10	12 38	21 27
50	21 23	18 21	18 08	13 29	15 31	24 05
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>
0	2 23 40	4 20 51	6 20 31	8 15 49	10 18 24	0 26 42
10	25 56	23 22	22 54	18 10	21 18	29 17
20	28 13	25 53	25 15	20 32	24 14	1 1 51
30	3 0 30	28 24	27 36	22 55	27 09	4 23
40	2 48	5 0 56	29 56	25 19	11 0 06	6 53
50	5 06	3 28	7 2 16	27 44	3 03	9 22
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>
0	3 7 24	5 6 00	7 4 35	9 0 10	11 6 00	1 11 50
10	9 44	8 32	6 54	2 37	8 57	14 16
20	12 03	11 03	9 12	5 06	11 54	16 41
30	14 23	13 35	11 29	7 37	14 50	19 05
40	16 44	16 06	13 46	10 09	17 46	21 28
50	19 06	18 38	7 16 03	12 42	20 41	23 49
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>	<small>s o i</small>
0	3 21 28	5 21 08	7 18 20	9 15 17	11 23 36	26 10
10	23 51	23 39	20 36	17 54	26 29	28 30
20	26 15	26 09	22 53	20 33	29 21	2 0 49
30	28 39	28 38	25 09	23 13	0 2 12	3 08
40	4 1 05	6 1 07	27 26	25 54	5 02	5 26
50	3 31	3 35	29 42	28 38	7 50	7 43

Astronomical Table 29

**Ascendant for latitude 13° 04' North
(for Chennai 13°N 04' etc.)**

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 11 16	4 6 35	6 5 25	8 0 43	10 0 33	0 11 27
10	13 32	9 00	7 49	3 00	3 23	14 15
20	15 48	11 25	10 12	5 17	6 14	17 01
30	18 04	13 51	12 35	7 35	9 08	19 46
40	20 20	16 17	14 57	9 53	12 02	22 28
50	22 35	18 44	17 18	12 12	14 59	25 09
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 24 51	4 21 11	6 19 39	8 14 32	10 17 56	0 27 48
10	27 06	23 38	21 59	16 53	20 55	1 0 25
20	29 22	26 06	24 19	19 15	23 55	3 00
30	3 1 38	28 34	26 38	21 39	26 55	5 33
40	3 54	5 1 03	28 56	24 03	29 56	8 05
50	6 11	3 31	7 1 14	26 29	11 2 58	10 35
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 8 28	5 6 00	7 3 32	8 28 56	11 6 00	1 13 04
10	10 45	8 28	5 49	9 1 24	9 01	15 31
20	13 03	10 57	8 05	3 54	12 03	17 56
30	15 22	13 25	10 21	6 26	15 04	20 21
40	17 41	15 53	12 37	9 00	18 05	22 44
50	20 00	18 21	14 53	11 35	21 04	25 06
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 22 20	5 20 49	7 17 09	9 14 12	11 24 03	1 27 27
10	24 41	23 16	19 24	16 51	27 01	29 47
20	27 03	25 43	21 40	19 31	29 57	2 2 06
30	29 25	28 09	23 55	22 14	0 2 52	4 25
40	4 1 48	6 0 35	26 11	24 58	5 45	6 42
50	4 11	3 00	28 27	27 45	8 37	9 00

30 Astronomical Table

Ascendant for latitude 15° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 12 05	4 6 58	6 5 01	7 29 55	9 29 59	0 12 00
10	14 21	9 21	7 23	8 2 11	10 2 51	14 50
20	16 36	11 45	9 45	4 28	5 45	17 39
30	18 51	14 09	12 06	6 45	8 41	20 25
40	21 06	16 33	14 27	9 04	11 38	23 09
50	23 21	18 58	16 47	11 23	14 37	25 51
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 25 36	4 21 23	6 19 06	8 13 43	10 17 38	0 28 31
10	27 51	23 49	21 25	16 04	20 40	1 1 09
20	3 0 06	26 14	23 44	18 26	23 42	3 45
30	2 21	28 41	26 01	20 49	26 46	6 20
40	4 36	5 1 07	28 18	23 14	29 50	8 52
50	6 52	3 33	7 00 35	25 40	11 2 55	11 23
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 9 08	5 6 00	7 2 52	8 28 07	11 6 00	1 13 52
10	11 24	8 26	5 08	9 0 37	9 05	16 20
20	13 41	10 53	7 23	3 07	12 09	18 46
30	15 58	13 19	9 39	5 40	15 14	21 10
40	18 16	15 45	11 54	8 14	18 17	23 34
50	20 34	18 11	14 09	10 50	21 20	25 56
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 22 53	5 20 36	7 16 23	9 13 29	11 24 22	1 28 17
10	25 12	23 02	18 38	16 09	27 22	2 0 37
20	27 32	25 26	20 53	18 51	0 0 21	2 56
30	29 53	27 51	23 08	21 35	3 18	5 14
40	4 2 14	6 0 15	25 23	24 21	6 14	7 32
50	4 36	2 38	27 39	27 09	9 08	9 48

Astronomical Table 31

**Ascendant for latitude 17° 26' North
(for Hyderabad 17°N 26' etc.)**

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 13 07	4 07 27	6 4 32	7 28 52	9 29 15	0 12 44
10	15 22	09 48	6 52	8 1 08	10 2 09	15 37
20	17 37	12 09	9 11	3 24	5 06	18 27
30	19 51	14 31	11 31	5 41	8 05	21 16
40	22 05	16 53	13 49	7 59	11 06	24 02
50	24 19	19 15	16 7	10 18	14 09	26 46
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 26 33	4 21 38	6 18 25	8 12 38	10 17 13	0 29 27
10	28 47	24 01	20 42	14 59	20 18	1 2 07
20	3 01 01	26 24	22 59	17 21	23 25	4 44
30	03 15	28 48	25 15	19 45	26 33	7 20
40	05 29	5 1 12	27 30	22 10	29 41	9 53
50	07 43	3 35	29 46	24 36	11 2 50	12 25
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 09 58	5 5 59	7 2 01	8 27 04	11 5 59	1 14 54
10	12 13	8 23	4 15	29 34	9 09	17 23
20	14 28	10 47	6 30	9 2 06	12 18	19 49
30	16 44	13 11	8 44	4 39	15 26	22 14
40	19 00	15 34	10 58	7 14	18 34	24 37
50	21 17	17 58	13 12	9 52	21 40	27 00
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 23 34	5 20 21	7 15 26	9 12 31	11 24 46	1 29 21
10	25 51	22 44	17 39	15 13	27 50	2 1 40
20	28 09	25 06	19 53	17 57	0 00 53	3 59
30	4 00 28	27 28	22 08	20 43	03 53	6 17
40	02 47	29 50	24 22	23 31	06 52	8 34
50	05 07	6 02 11	26 37	26 22	09 49	10 51

32 Astronomical Table

Ascendant for latitude 18° 58' North (for Mumbai 18°N 58' etc.)

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	2 13 47	4 7 46	6 4 14	7 28 13	9 28 46	0 13 14
10	16 02	10 05	6 32	8 0 28	10 1 42	16 08
20	18 16	12 25	8 51	2 44	4 41	19 00
30	20 30	14 45	11 09	5 01	7 42	21 50
40	22 44	17 06	13 26	7 19	10 45	24 37
50	24 57	19 27	15 43	9 37	13 50	27 22
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	2 27 10	4 21 48	6 17 59	8 11 57	10 16 57	1 0 05
10	29 23	24 09	20 15	14 18	20 05	2 45
20	3 1 37	26 31	22 31	16 40	23 14	5 24
30	3 50	28 53	24 46	19 04	26 25	8 00
40	6 03	1 15	27 01	21 29	29 36	10 34
50	8 17	5 3 37	29 15	23 55	11 2 48	13 06
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	3 10 30	5 6 00	7 1 29	8 26 24	11 6 00	1 15 36
10	12 44	8 22	3 43	28 54	9 12	18 04
20	14 59	10 44	5 56	1 26	12 24	20 31
30	17 13	13 06	8 10	9 4 00	15 35	22 56
40	19 29	15 28	10 23	6 36	18 45	25 19
50	21 44	17 50	12 36	9 14	21 55	27 42
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	3 24 00	5 20 12	7 14 49	9 11 54	11 25 03	2 0 02
10	26 16	22 33	17 03	14 37	28 09	2 22
20	28 33	24 54	19 16	17 22	0 1 14	4 41
30	4 0 51	27 14	21 30	20 09	4 17	6 58
40	3 09	29 35	23 44	22 59	7 18	9 15
50	5 27	6 1 54	25 58	25 51	10 17	11 31

Astronomical Table 33

Ascendant for latitude 20° North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 14 14	4 7 58	6 4 01	7 27 45	9 28 25	0 13 34
10	16 29	10 17	6 19	8 0 01	10 1 23	16 30
20	18 43	12 35	8 37	2 16	4 23	19 23
30	20 56	14 55	10 54	4 33	7 26	22 14
40	23 09	17 14	13 10	6 51	10 30	25 02
50	25 22	19 34	15 26	9 09	13 37	27 48
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 27 35	4 21 54	6 17 42	8 11 29	10 16 45	1 0 31
10	29 48	24 15	19 57	13 49	19 55	3 12
20	3 2 00	26 35	22 12	16 12	23 06	5 51
30	4 13	28 56	24 26	18 35	26 19	8 27
40	6 26	1 17	26 40	21 00	29 32	11 01
50	8 39	5 3 39	28 54	23 27	11 2 46	13 34
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 10 52	5 6 00	7 1 07	8 25 55	11 6 00	1 16 04
10	13 05	8 21	3 21	28 26	9 14	18 33
20	15 19	10 42	5 34	9 0 58	12 28	20 59
30	17 33	13 03	7 46	3 32	15 41	23 24
40	19 48	15 24	9 59	6 09	18 53	25 48
50	22 02	17 45	12 12	8 48	22 04	28 10
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 24 18	5 20 05	7 14 24	9 11 29	11 25 14	2 0 31
10	26 33	22 25	16 37	14 12	28 23	2 50
20	28 49	24 45	18 50	16 58	0 1 29	5 09
30	4 1 06	27 05	21 03	19 46	4 34	7 26
40	3 23	29 24	23 17	22 36	7 36	9 43
50	5 40	6 1 43	25 31	25 30	10 36	11 59

34 Astronomical Table

Ascendant for latitude 22° 35' North (for Kolkata 22°N 35' etc.)

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	2 15 23	4 8 29	6 3 30	7 26 36	9 27 31	0 14 28
10	17 37	10 45	5 46	28 50	10 0 32	17 27
20	19 50	13 01	8 01	8 1 06	3 36	20 23
30	22 03	15 18	10 16	3 21	6 42	23 16
40	24 15	17 35	12 31	5 38	9 51	26 06
50	26 27	19 53	14 45	7 56	13 02	28 54
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	2 28 38	4 22 10	6 16 58	8 10 16	10 16 15	1 1 39
10	3 0 50	24 28	19 11	12 36	19 29	4 21
20	3 01	26 46	21 24	14 58	22 45	7 01
30	5 12	29 04	23 37	17 22	26 03	9 38
40	7 24	5 1 23	25 49	19 47	29 21	12 13
50	9 35	3 41	28 01	22 14	11 2 40	14 46
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	3 11 47	5 6 00	7 0 13	8 24 42	11 6 00	1 17 17
10	13 58	8 18	2 24	27 13	9 19	19 46
20	16 10	10 37	4 36	29 46	12 38	22 13
30	18 23	12 55	6 47	9 2 21	15 57	24 38
40	20 35	15 13	8 58	4 59	19 14	27 01
50	22 48	17 31	11 10	7 39	22 30	29 23
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	s o i	s o i	s o i	s o i	s o i	s o i
0	3 25 01	5 19 49	7 13 21	9 10 21	11 25 45	2 1 44
10	27 15	22 07	15 33	13 06	28 58	4 03
20	29 29	24 24	17 45	15 54	0 2 09	6 21
30	4 1 43	26 41	19 57	18 44	5 17	8 38
40	3 58	28 58	22 09	21 37	8 23	10 54
50	6 13	6 1 14	24 22	24 33	11 27	13 09

Astronomical Table 35

Ascendant for latitude 25° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>
0	2 16 30	4 8 58	6 3 02	7 25 29	9 26 37	0 15 23
10	18 43	11 12	5 15	27 43	29 41	18 24
20	20 55	13 26	7 28	29 57	10 2 48	21 22
30	23 06	15 40	9 41	8 2 12	5 58	24 18
40	25 18	17 55	11 53	4 28	9 11	27 10
50	27 28	20 10	14 05	6 46	12 26	29 59
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>
0	2 29 39	4 22 25	6 16 17	8 9 05	10 15 43	1 2 46
10	3 1 49	24 41	18 28	11 25	19 03	5 29
20	3 59	26 56	20 39	13 46	22 24	8 10
30	6 09	29 12	22 50	16 10	25 47	10 49
40	8 19	5 1 28	25 01	18 35	29 10	13 24
50	10 28	3 44	27 11	21 02	11 2 35	15 58
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>
0	3 12 38	5 6 00	6 29 21	8 23 31	11 6 00	1 18 29
10	14 49	8 16	7 1 31	26 02	9 25	20 58
20	16 59	10 32	3 41	28 35	12 49	23 25
30	19 09	12 48	5 51	9 1 11	16 13	25 50
40	21 20	15 03	8 01	3 49	19 35	28 13
50	23 31	17 19	10 11	6 30	22 57	2 0 35
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>	<small>s o ' "</small>
0	3 25 43	5 19 34	7 12 21	9 9 14	11 26 16	2 2 55
10	27 54	21 50	14 31	12 00	29 33	5 14
20	4 0 06	24 05	16 42	14 50	0 2 49	7 31
30	2 19	26 19	18 53	17 42	6 01	9 47
40	4 31	28 34	21 05	20 37	9 11	12 02
50	6 45	6 0 48	23 17	23 35	12 18	14 17

36 Astronomical Table

**Ascendant for latitude 26° 29' North
(for Kanpur 26°N 29' etc.)**

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 17 12	4 9 15	6 2 43	7 24 47	9 26 01	0 15 58
10	19 24	11 28	4 55	27 00	29 07	19 01
20	21 35	13 40	7 7	29 13	10 2 17	22 01
30	23 46	15 53	9 19	8 1 28	5 29	24 58
40	25 56	18 07	11 30	3 44	8 44	27 51
50	28 06	20 20	13 40	6 01	12 02	1 0 42
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 0 16	4 22 34	6 15 51	8 8 19	10 15 22	1 3 29
10	2 25	24 48	18 01	10 39	18 45	6 13
20	4 34	27 02	20 11	13 00	22 10	8 55
30	6 43	29 16	22 21	15 23	25 36	11 34
40	8 52	5 1 30	24 30	17 48	29 03	14 10
50	11 01	3 45	26 39	20 15	02 31	16 43
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 13 10	5 5 59	6 28 48	8 22 44	11 5 59	1 19 15
10	15 19	8 14	7 00 57	25 15	9 28	21 44
20	17 29	10 28	3 06	27 49	12 56	24 10
30	19 38	12 43	5 15	9 00 25	16 23	26 35
40	21 48	14 57	7 24	03 04	19 49	28 58
50	23 58	17 11	9 34	05 45	23 14	2 1 20
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 26 08	5 19 25	7 11 43	9 8 30	11 26 36	2 3 40
10	28 18	21 38	13 52	11 17	29 57	5 58
20	4 00 29	23 52	16 02	14 08	0 3 15	8 15
30	2 40	26 05	18 13	17 01	6 30	10 31
40	4 52	28 18	20 23	19 58	9 42	12 45
50	7 03	6 00 31	22 35	22 58	12 52	14 59

Astronomical Table 37

**Ascendant for latitude 28° 39' North
(for Delhi 28°N 39' etc.)**

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 18 15	4 9 42	6 2 17	7 23 44	9 25 06	0016 54
10	20 26	11 52	4 28	25 56	28 15	0019 59
20	22 37	14 03	6 37	28 09	10 1 28	0023 02
30	24 46	16 14	8 47	0 23	4 44	0026 01
40	26 55	18 25	10 56	8 2 38	8 03	0028 56
50	29 04	20 36	13 05	4 54	11 26	0101 48
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 1 12	4 22 48	6 15 14	8 7 11	1014 51	0104 36
10	3 20	24 59	17 22	9 31	18 18	0107 22
20	5 28	27 11	19 30	11 51	21 48	0110 04
30	7 36	29 23	21 38	14 14	25 19	0112 43
40	9 43	5 1 35	23 46	16 39	28 52	0115 20
50	11 51	3 48	25 54	19 05	11 2 26	0117 54
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 13 58	5 6 00	6 28 01	8 21 34	1106 00	0120 25
10	16 06	8 12	7 0 09	24 06	1109 34	0122 54
20	18 14	10 24	2 16	26 40	1113 08	0125 21
30	20 21	12 36	4 24	29 16	1116 40	0127 45
40	22 29	14 48	6 31	9 1 55	1120 12	0200 08
50	24 38	17 00	8 39	4 38	1123 41	0202 29
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 26 46	5 19 12	7 10 47	9 7 23	1127 09	0204 48
10	28 55	21 23	12 55	10 12	0000 34	0207 06
20	4 1 04	23 35	15 04	13 04	0003 56	0209 22
30	3 13	25 46	17 13	15 59	0007 15	0211 37
40	5 22	27 57	19 23	18 58	0010 32	0213 51
50	7 32	6 0 07	21 33	22 00	0013 44	0216 04

38 Astronomical Table

Ascendant for latitude 30° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
0	2 18 56	4 9 59	6 2 01	7 23 04	9 24 29	0 17 30
10	21 06	12 08	4 10	25 15	27 40	20 38
20	23 16	14 17	6 18	27 27	10 0 55	23 42
30	25 25	16 26	8 27	29 40	4 14	26 42
40	27 33	18 36	10 35	8 1 55	7 36	29 38
50	29 41	20 46	12 42	4 10	11 01	1 2 31
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
0	3 1 48	4 22 56	6 14 50	8 6 28	10 14 29	1 5 20
10	3 55	25 07	16 57	8 46	18 00	8 06
20	6 02	27 17	19 04	11 07	21 33	10 49
30	8 09	29 28	21 11	13 29	25 08	13 29
40	10 16	1 38	23 18	15 53	28 44	16 05
50	12 22	3 49	25 24	18 20	11 2 22	18 39
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
0	3 14 29	5 6 00	6 27 31	8 20 49	11 6 00	1 21 11
10	16 35	8 10	29 37	23 20	9 38	23 39
20	18 42	10 21	7 1 44	25 54	13 15	26 06
30	20 48	12 32	3 51	28 31	16 52	28 30
40	22 55	14 42	5 57	9 1 10	20 27	2 0 53
50	25 02	16 53	8 04	3 53	24 00	3 13
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
0	3 27 10	5 19 03	7 10 11	9 6 39	11 27 31	2 5 32
10	29 17	21 13	12 19	9 28	0 0 59	7 49
20	4 1 25	23 23	14 27	12 21	4 24	10 05
30	3 33	25 33	16 35	15 18	7 46	12 19
40	5 41	27 43	18 44	18 18	11 04	14 32
50	7 50	29 52	20 53	21 22	14 19	16 45

Astronomical Table 39

**Ascendant for latitude 30° 55' North
(for Ludhiana 30°N 55' etc.)**

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	2 19 23	4 10 09	6 1 49	7 22 35	9 24 03	0 17 56
10	21 33	12 18	3 57	24 46	27 15	21 05
20	23 42	14 26	6 05	26 58	10 0 32	24 10
30	25 50	16 35	8 12	29 11	3 52	27 11
40	27 58	18 43	10 19	8 1 25	7 16	1 00 08
50	3 00 06	20 52	12 26	3 40	10 43	3 01
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 2 12	4 23 02	6 14 33	8 5 57	10 14 13	1 5 51
10	4 19	25 11	16 40	8 15	17 46	8 37
20	6 25	27 20	18 46	10 35	21 22	11 20
30	8 31	29 30	20 52	12 57	24 59	14 00
40	10 37	5 1 40	22 58	15 21	28 38	16 37
50	12 43	3 50	25 04	17 48	11 2 19	19 11
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 14 49	5 5 59	6 27 10	8 20 17	11 5 59	1 21 42
10	16 55	8 09	29 16	22 48	9 40	24 11
20	19 01	10 19	7 1 21	25 22	13 20	26 37
30	21 07	12 29	3 27	27 59	16 59	29 01
40	23 13	14 38	5 33	9 00 38	20 37	2 01 23
50	25 19	16 48	7 40	3 21	24 13	03 44
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>	<small>s o l</small>
0	3 27 26	5 18 57	7 09 46	9 6 08	11 27 46	2 06 02
10	29 32	21 06	11 53	8 58	0 01 16	08 19
20	4 1 39	23 15	14 00	11 51	4 43	10 34
30	3 46	25 24	16 08	14 48	8 07	12 48
40	5 54	27 33	18 17	17 49	11 27	15 01
50	8 01	29 41	20 26	20 54	14 43	17 13

40 Astronomical Table

Ascendant for latitude 35° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
0	2 21 34	4 11 01	6 0 59	7 20 26	9 21 54	0 20 05
10	23 41	13 05	3 03	22 34	25 13	23 20
20	25 47	15 09	5 06	24 43	28 37	26 29
30	27 53	17 14	7 10	26 54	10 2 05	29 34
40	29 58	19 18	9 13	29 06	5 38	1 2 34
50	3 2 02	21 23	11 16	8 1 19	9 15	5 30
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
0	3 4 06	4 23 28	6 13 19	8 3 34	10 12 56	1 8 22
10	6 10	25 33	15 22	5 50	16 40	11 09
20	8 13	27 38	17 25	8 09	20 28	13 53
30	10 16	29 44	19 28	10 29	24 19	16 33
40	12 19	5 1 49	21 30	12 52	28 11	19 10
50	14 22	3 54	23 33	15 17	11 2 05	21 44
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
0	3 16 24	5 6 00	6 25 35	8 17 45	11 6 00	1 24 14
10	18 27	8 05	27 38	20 16	9 54	26 42
20	20 29	10 11	29 40	22 49	13 48	29 07
30	22 32	12 16	7 1 43	25 26	17 41	1 30
40	24 34	14 21	3 46	28 06	21 31	2 3 51
50	26 37	16 26	5 50	9 0 50	25 19	6 09
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
0	3 28 40	5 18 31	7 7 53	9 3 38	11 29 04	2 8 26
10	4 0 43	20 36	9 57	6 30	0 2 45	10 41
20	2 46	22 41	12 02	9 26	6 22	12 54
30	4 50	24 46	14 07	12 26	9 55	15 06
40	6 53	26 50	16 12	15 31	13 23	17 16
50	8 57	28 55	18 19	18 40	16 47	19 25

Astronomical Table 41

Ascendant for latitude 40° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
0	2 24 27	4 12 06	5 29 54	7 17 32	9 18 40	0 23 20
10	26 30	14 05	6 1 52	19 37	22 07	26 41
20	28 33	16 04	3 51	21 42	25 40	29 56
30	3 0 35	18 03	5 50	23 49	29 19	1 3 04
40	2 36	20 02	7 48	25 57	10 3 05	6 08
50	4 36	22 02	9 46	28 07	6 56	9 06
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
0	3 6 36	4 24 01	6 11 44	8 0 18	10 10 54	1 11 59
10	8 35	26 01	13 42	2 31	14 56	14 47
20	10 34	28 00	15 40	4 47	19 03	17 31
30	12 33	5 0 00	17 38	7 04	23 14	20 11
40	14 31	2 00	19 36	9 24	27 27	22 46
50	16 29	4 00	21 34	11 47	11 1 43	25 18
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
0	3 18 27	5 6 00	6 23 32	8 14 12	11 6 00	1 27 47
10	20 25	8 00	25 30	16 41	10 17	2 0 13
20	22 23	9 59	27 28	19 13	14 32	2 35
30	24 21	11 59	29 27	21 49	18 46	4 55
40	26 19	13 59	7 1 25	24 28	22 57	7 13
50	28 17	15 59	3 24	27 12	27 04	9 28
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
0	4 0 15	5 17 58	7 5 24	9 0 00	0 1 06	2 11 41
10	2 13	19 58	7 24	2 54	5 03	13 53
20	4 12	21 57	9 24	5 52	8 55	16 02
30	6 10	23 57	11 25	8 55	12 40	18 11
40	8 08	25 56	13 27	12 04	16 20	20 17
50	10 07	27 55	15 29	15 19	19 53	22 23

42 Astronomical Table

Ascendant for latitude 45° 00' North

SIDEREAL TIME						
Min.	0 Hour	4 Hour	8 Hour	12 Hour	16 Hour	20 Hour
0	2 27 41	4 13 15	5 28 45	7 14 18	9 14 26	0 27 34
10	29 40	15 08	6 0 38	16 18	18 01	1 1 00
20	3 1 37	17 01	2 31	18 18	21 45	4 20
30	3 34	18 55	4 24	20 20	25 37	7 31
40	5 29	20 48	6 17	22 23	29 38	10 36
50	7 25	22 42	8 10	24 28	10 3 47	13 35
	1 Hour	5 Hour	9 Hour	13 Hour	17 Hour	21 Hour
0	3 9 20	4 24 36	6 10 02	7 26 34	10 8 05	1 16 27
10	11 14	26 30	11 55	28 43	12 30	19 14
20	13 08	28 24	13 48	8 0 53	17 03	21 56
30	15 01	5 0 18	15 41	3 06	21 41	24 32
40	16 55	2 12	17 33	5 22	26 25	27 05
50	18 48	4 06	19 26	7 40	11 1 11	29 33
	2 Hour	6 Hour	10 Hour	14 Hour	18 Hour	22 Hour
0	3 20 41	5 6 00	6 21 19	8 10 01	11 6 00	2 1 58
10	22 34	7 54	23 12	12 26	10 48	4 19
20	24 26	9 48	25 05	14 55	15 35	6 38
30	26 19	11 42	26 58	17 27	20 18	8 53
40	28 12	13 36	28 52	20 04	24 57	11 06
50	4 0 04	15 30	7 0 46	22 46	29 29	13 17
	3 Hour	7 Hour	11 Hour	15 Hour	19 Hour	23 Hour
0	4 1 57	5 17 24	7 2 40	8 25 32	0 3 55	2 15 25
10	3 50	19 17	4 35	28 25	8 13	17 32
20	5 43	21 11	6 30	9 1 23	12 22	19 36
30	7 35	23 05	8 26	4 28	16 23	21 40
40	9 28	24 58	10 23	7 40	20 15	23 41
50	11 22	26 51	12 20	10 59	23 58	25 42