

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Empowered Autonomous Institute, affiliated to SUK)

Q.P. Code
UT 3500

Unit Test -I (2025-26)

F.Y. B.Tech.-Div. A, B, C, D, E, F, G

Course Code: SH148

Course Name: Ancient Indian Astronomy

Day & Date: 16/10/2025

Time: 3:45 pm to 4:45 pm

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

			Marks	BT Level	COs
Q.1	A	Explain the principle, working and its applications of Sanku Yantra in ancient astronomy.	4	L2	CO1
	B	Explain the principle and working of Nadi Yantra and its applications.	4	L2	CO1
		OR			
		Explain the term observational astronomy in India and its observational tools and techniques.	4	L2	CO1
	C	Explain the principle, key components and circles of Gola Yantra .	4	L2	CO1
Q.2	A	Summarize the life and contributions of Aryabhatṭa and his impact on astronomy.	5	L2	CO1
		OR			
		Summarize the key work of Varahamihira and his contribution in mathematical astronomy.	5	L2	CO1
	B	Explain Bhaskara I's key contributions to astronomy.	4	L2	CO1
	C	Explain the four Yuga systems in short and discuss the duration of each Yuga.	4	L2	CO2

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