

Enroll No

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

Q.P.Code
UT 3499

Unit Test -I (2025-26)

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

Course Code- Vedic mathematics

Course Name: SH 1461

Day & Date: Thursday 16-10-2025

Time: 3:45 p.m. to 4:45 p.m.

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 the 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) **No calculator is allowed**

		M	BL	COs
Q.1	Attempt the following:	25		
a)	In what situations can the ekadhiken purvena method of multiplication be applied, and what constraints must be considered? (Mandatory Condition: 3 marks, Limitations: 2marks)	5	BL2	CO1
b)	Use the Ekanyunena Purvena method to solve i) 11119×99 ii) 798×99999 (Correct calculation: 3 marks for i), 2marks for ii))	5	BL3	CO1
c)	Use the Urdhva Tiryagbhyam method to calculate the total cost of 785 Vedic Mathematics books at Rs. 362 each. (Formation of equation: 1 marks, Correct calculation: 4 marks)	5	BL3	CO1
d)	Use the Nikhilam method to solve: i) 92×98 ii) 1011×1003 (Correct calculation: 3 marks for i), 2marks for ii))	5	BL3	CO1

OR

Use the Anurupyena method to solve:

- i) 532×472 ii) 49^2

(Correct calculation: 3 marks for i), 2marks for ii))



- e) Calculate the area of a room that is 12 feet 6 inches long and 10 feet 3 inches wide. 5 BL4 CO1

(Formation of equation: 1 marks, Correct calculation: 4 marks)

OR

In a certain investment, each rupee invested brings rupees two and five annas to the investor. How much will an outlay of rupees four and nine annas therein yields?

(Formation of equation: 1 marks, Correct calculation: 4 marks)

*****Best of Luck*****

