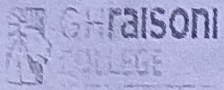


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G H Raison College of Engineering and Management, Pune

(An Empowered Autonomous Institute affiliated to Savitribai Phule, Pune University, NAAC Accredited "A+" Grade)

First Year B. Tech.

(TERM-I)

CAE II Winter 2025 (2023 Pattern)

Indian Knowledge System (23UHSL1202)

(Time: - 01 Hour)

(Max. Marks:20)

Instructions to the students:

- i) All questions are compulsory. ii) Neat diagrams must be drawn wherever necessary.
iii) Figures to the right indicate full marks. iv) calculator is not allowed

Q. No.	Question	Marks	CO	BL
1 a)	Apply the Vedic Maths method and find out the square. i)546 ii)2014 iii)9994 iv) 416 v)381	5	3	L3
OR				
b)	Apply the Vedic Maths method and find out the Cube. i) 59 ii)1012 iii) 994 iv) 44 v) 992	5	3	L3
c)	Find out square Root by Vedic Maths method. i)6889 ii)4264 iii)3481 iv) 7396 v)8649	5	3	L3
OR				
d)	Find out Cube Root by Vedic Maths method. i)421875 ii)592704 iii)22181 iv) 830548 v)373248	5	3	L3
2 a)	Solving the Linear Equation by Vedic Maths method. i) $2x+2=x+6$ ii) $6x+1=4x+7$ iii) $7x-2=5x+5$ iv) $8x+2=5x+11$ v) $6x-3=4x+5$	5	4	L3
OR				
b)	Solving the Simultaneous Equation by Vedic Maths method. i) $3x+2y=19$ ii) $4x+y=1$ iii) $2x+3y=1$ $2x-2y=6$ $2x+y=9$ $7x+2y=-22$	5	4	L3
c)	Find out the Pythagorean Value by Vedic maths Method. i)a=5 ii)a=14 iii)a=17 iv) a=12 v) a=39	5	4	L3
OR				
d)	Find the LCM by the Vedic Maths. i)720,840,960. ii)5,7,8,15. iii)360,450,540 iv)180,240,300 v)900,1080,1200,	5	4	L3

BL – Bloom's Taxonomy Levels (1- Remember, 2- Understand, 3 – Apply, 4 – Analyze, 5 –Evaluate 6 - Create)