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G H Raisoni College of Engineering and Management, Pune
(An Empowered Autonomous Institute affiliated to Savitribai Phule, Pune University, NAAC Accredited "A+" Grade)

First Year B. Tech.
CAE I / Term II / AY 2025-26 (2023 Pattern)
Programming for Problem Solving (23UESL1102)

(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) Assume suitable data, if necessary

Question No	Question	Marks	CO	BL
1a)	Explain C Tokens with suitable examples	5	CO1	L2
OR				
1b)	Explain building blocks of algorithm	5	CO1	L2
1c)	Design using flowchart to find given number is even or odd	5	CO1	L3
OR				
1d)	Design an algorithm to calculate area of triangle and circle .	5	CO1	L3
2a)	Differentiate between if-else and nested if-else statements with suitable examples	5	CO2	L2
OR				
2b)	Explain Switch statement with syntax and suitable example	5	CO2	L2
2c)	Develop simple calculator for arithmetic operations in C using switch statement	5	CO2	L3
OR				
2d)	Develop a program to find greatest of three numbers using if-else statements	5	CO2	L3

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