

G H Raison College of Engineering and Management, Pune
(An Autonomous Institution affiliated to Savitribai Phule, Pune University)

Department of First Year B. Tech.

Term I (2024-25)

CAE-I

Programming for Problem Solving (23UESL1102) (Set A)

[Time: 01 Hour]

[Max. Marks-20]

Instructions to the candidates:

- 1) *All questions compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data, if necessary.*

<i>Q. No.</i>	<i>Sub Question</i>	<i>CO</i>	<i>Marks</i>	<i>BL</i>
1	a) Describe the types of problems with example.	CO1	[5]	L1
	OR			
	b) Explain in short all building blocks of algorithm.	CO1	[5]	L1
	c) Write an algorithm and draw a flow chart to display all natural numbers up to n.	CO1	[5]	L3
2	OR			
	d) Write an algorithm and draw a flow chart to convert meter into kilometer.	CO1	[5]	L3
	a) Describe the concept of data types in C programming language	CO1	[5]	L2
	OR			
b)	Explain the concept of identifier in programming. What are the naming conventions and rules for identifiers?	CO1	[5]	L2
	c) Write a C program to perform addition and multiplication of any two numbers.	CO1	[5]	L3
	OR			
	d) Write a C program to find area of circle and rectangle.	CO1	[5]	L3

***** All the Best *****