G.R. No.	

PAPER CODE	U124- 384

MARCH 2024 (INSEM) EXAM

F.Y.B. TECH. (COMPUTER ENGINEERING-SOFTWARE ENGINEERING)
(SEMESTER - II)
COURSE NAME: FUNDAMENTALS OF DATA STRUCTURE
COURSE CODE: SE12234
(PATTERN 2023)

Time: [40 min]   [Max. Marks: 20]

Instructions to candidates:
1) **Figures to the right indicate full marks.**
2) **Use of scientific calculator is allowed**
3) **Use suitable data wherever required**
4) **Solve any two sub questions from Question 1 and 2**

Question No.	Question Description	Marks	CO mapped	Blooms Taxonomy Level
Q.1	a)Differentiate between Linear Data Structure and Nonlinear Data Structure?	[5]	CO1	UNDERSTAND
	b) Explain the concept of Array with Example?	[5]	CO1	UNDERSTAND
	c) Discuss Row Major & Column Major Briefly?	[5]	CO1	UNDERSTAND
Q.2	a) Outline Binary Search Algorithm Briefly?	[5]	CO2	APPLY
	b)Demonstrate Quick Sort Algorithm with its Advantages?	[5]	CO2	APPLY
	c) Illustrate Bubble Sort algorithm with Example?	[5]	CO2	APPLY