[B19 CS 1203]
RAJU   ENGINEERING
I B. Tech II Semester (R19) Regular Examinations
BASIC DATA STRUCTURES AND PYTHON PROGRAMMING
(Common to CSE & IT)
MODEL QUESTION PAPER

TIME: 3 Hrs.   **Max. Marks: 75 M**

Answer **ONE Question** from **EACH UNIT**
All questions carry equal marks
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			CO	KL	M
		UNIT - I			
1.	a).	What is Algorithm? Explain performance analysis of an algorithm.	C4	K2	8
	b).	State and Explain Merge Sort with example.	C4	K2	7
		OR			
2.	a).	Explain Quick sort Algorithm with example.	C4	K2	8
	b).	Explain the representation of Sparse Matrix with Example.	C4	K2	7
		UNIT - II			
3.	a).	What is stack ADT and Explain Stack operations?	C5	K2	8
	b).	Explain the procedure to convert infix to postfix expression	C5	K2	7
		OR			
4.	a).	Explain the insertion and deletion operations of Circular Queue.	C5	K2	8
	b).	Explain abt Dequeue ADT	C5	K2	7
		UNIT - III			
5.	a).	Explain abt different Relational operators in python with appropriate examples.	C1	K2	8
	b).	Write the rules for choosing names of variables.	C1	K1	7
		OR			
6.	a).	What are the different Loops available in python?	C1	K1	8
	b).	Write abt different types of arguments in a function.	C1	K1	7
		UNIT - IV			
7.	a).	Write in brief abt List in python.	C2	K1	8
	b).	Explain abt files and their libraries in python.	C2	K2	7
		OR			
8.	a).	Write in brief abt Dictionary in python.	C2	K1	8
	b).	Explain abt tuples in python. Write operations with suitable examples.	C2	K2	7
		UNIT - V			
9.	a).	Explain different types of key press events.	C3	K2	8
	b).	Write abt mse events in detail.	C3	K1	7
		OR			
10.	a).	Explain abt Event Drive programming.	C3	K2	8
	b).	Write abt timer events in detail.	C3	K1	7