



<b>Q-2</b>	Do as directed. (ATTEMPT ANY TEN)	<b>20</b>
(1)	Define: indirection operator, pointer variable.	
(2)	List out benefits of pointers.	
(3)	Differentiate between '*' and '&' operators in pointers.	
(4)	Differentiate: structure and union.	
(5)	List file modes available to manage the file in C.	
(6)	Explain the fclose() function with example.	
(7)	Draw the Hierarchical Structure of Data Structure.	
(8)	Differentiate: primitive and non primitive data structure.	
(9)	What do you mean by Top and Bottom of a Stack?	
(10)	State various types of queue.	
(11)	Define: Queue and Deque.	
(12)	Differentiate between singly linked list and doubly linked list.	
<b>Q-3</b>	A. Explain pointer arithmetic with example.	<b>5</b>
	B. Write a note on Dynamic memory allocation.	<b>5</b>
<b>OR</b>		
<b>Q-3</b>	A. Write note on: pointer to pointer.	<b>5</b>
	B. Explain pointer to structure using suitable example.	<b>5</b>
<b>Q-4</b>	What is structure? Explain its definition, declaration and assigning values to members of structure. Also mention advantages of structure over other data types.	<b>10</b>
<b>OR</b>		
<b>Q-4</b>	Explain fprintf and fscanf function with example.	<b>10</b>
<b>Q-5</b>	A. Write an algorithm to insert an element into a Stack.	<b>5</b>
	B. Write a short note on linear data structure.	<b>5</b>
<b>OR</b>		
<b>Q-5</b>	A. Write an algorithm to delete an element from a Stack.	<b>5</b>
	B. Write a short note on non-linear data structure.	<b>5</b>
<b>Q-6</b>	A. Write an algorithm to insert an element into a simple queue.	<b>5</b>
	B. Write a short note on Singly linked List.	<b>5</b>
<b>OR</b>		
<b>Q-6</b>	A. Write an algorithm to delete an element from a simple queue.	<b>5</b>
	B. Write an algorithm to insert an element at the beginning of a Singly linked list.	<b>5</b>