Q.1	A)	A) Select correct alternative and rewrite the following:			
	1.	. The time required to move R/W head to the particular track is called			
		i. Latency time ii.	Seek time		
		iii. Waiting time iv.	Response time		
	2.	data structure does not require contiguous memory allocation.			
		i. Array ii.	String	0 -	
		iii. Pointer array iv.	Linked list		
				0.4	
	3.	, , , , , , , , , , , , , , , , , , , ,		01	
		i. Linearii. Top downiv.	Non-linear Bottom up		
		III. Top down	Bottom up		
	4.	The valid attribute of <a> is		01	
		i. NAME ii.	SRC		
		iii. BGCOLOR iv.	HEIGHT		
	B)	Answer any two of the following:			
	1.	What is Virtual Memory? Explain any two eleme	nts of virtual memory.	03	
	2.	What is Data structure? Define array and pointe	•	03	
	3.	Give function of following tags with an example		03	
		i. ii. 	iii. <hr/>		
0 2	4)	Assessed and true of the following			
Q.2	A) 1.	Answer any two of the following: Give three differences between WORM and VIRU	IC	03	
	1. 2.	Write an algorithm to find the smallest element		03	
	3.	Define the following terms in C++	iii aii ai ray.	03	
	0.	i. Data abstraction ii. Operator overl	oading iii. Data encapsulation	00	
	B)	·			
	1.	What is system call? List any two system calls for memory management, process			
	2.	management and information management. What is virtual function in C++? Give any six rules to write virtual functions.			
	۷.	what is virtual function in G Give any six raid	25 to write virtual runctions.	04	
Q.3	A)	Answer any two of the following:			
	1.	Explain multiuser and time sharing operating sy	stem.	03	
	2.	Define		03	
	3.	i. Tree ii. Binary tree		02	
	э.	What is function overloading? Give examples of	runction overloading.	03	
	B)	Answer any one of the following:			
	1.	Write an algorithm for binary search method. Ex	xplain algorithm with suitable	04	
	0	example.		0.4	
	2.	What are constructor and destructor in C++? Giv	e example of constructor and	04	
		destructor in a class.			
Q.4	A)	Answer any two of the following:			
	1.	What is file system? List and explain types of file	systems used in OS.	03	
	2.	With suitable example explain how tree can be r	•	03	
	3.	What is inheritance? Explain any two types of in	heritance with memory	03	

	B) 1.	,				
	2.	What is linked list? How they can be represented in memory?	04			
Q.5	 2. 3. 	Answer any two of the following: 1. Write a program in C++ to accept two integer values in main function, pass them to function great () using call by value and find greater number, function great () shot return any value. 2. Write a program in C++ to accept three integers from keyboard and find greatest number by using condition control. 3. Write HTML code to display following output. <html> <head><title>abc</title></head> <h1 align="CENTER"> KBC Restaurant </h1> <table border="2"> <tr> <th rowspan="2"> Pav Bhaji </th> <th> with cheese </th> <th> with cheese </th> <tr> <trble> </trble></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></table></html>		 Pav Bhaji 	with cheese	with cheese
 Pav Bhaji 	with cheese	with cheese				
		OR				
	1.	Write a program in C++ to accept a string from keyboard and copy string into another string without using the library functions.	05			
	2. Write a program in C++ to find area of circle using class.		05			
	3.	Write a program in HTML for the following output.				
		 i. Arts A. History B. Geography ii. Science I. Computer science II. Physics iii. Commerce English Accounts 				