

	(a)	tag is				
		(i) RFF				
		(ii) VREF				
		(iii) HREF				
		(iv) ALT				
(B)	Answer any two of the following:					
	(a)	Explain context switching at process level in multiprogramming system with example.	3			
	(b)	Explain memory representation of linked list with a suitable example.	3			
	(c)	Write any six rules for virtual functions.	3			
(A)	Answer any two of the following:					
	(a)	Explain the function of the following file stream classes:	3			
		(i) ifstream				
		(ii) ofstream				
		(iii) fstream				
	(b)	What is a Record ? Write any two distinguishing points between a Record and Linear Array.	3			
	(c)	What is a Computer Virus? State any four methods by which a virus can affect other programs.	3			
(B)	Answer any one of the following:					
	(a)	Explain binary search algorithm.	4			
	(b)	Explain the following terms with respect to virtual memory:	4			
		(i) Page fault				
		(ii) Working set				
		(iii) Demand paging				
		(iv) Dirty bit				

3.	(A)	Ansv	ver an	y two of the following:		
		(a)	Defin	e the following terms with respect to binary tree:	3	
			(i)	Depth of tree		
			(ii)	Degree of node		
			(iii) ·	Empty or Null tree		
		(b)	What	is Destructor? State any four characteristics of Destructor.	3	
		(e)	Expla	nin the following HTML tags with an example of each:	3	
			(i)	<pre></pre>		
			(ii)	 		
			(iii)			
	(B)	B) Answer any one of the following:				
		(a)		t is a Process ? Explain running ready and blocked process states rocess management.	4	
		(b)		t is an Inheritance? Explain any three types of Inheritance in with suitable diagrams.	4	
4.	(A)	Answer any two of the following:				
		(a)	Expl	ain in brief the three major services provided by Operating System.	3	
		(b)	Writ	ing any six important features of object oriented programming.	3	
		(c)	Drav	v a binary tree structure for expression :	3	
			E =	(p - q) / [(r # s) + t]		

- (a) Explain call by value and call by reference with suitable examples.
- (b) Draw and explain paging model of memory management system. 4

5. Answer any two of the following:

- (a) Write C++ program to find a factorial of integers from 1 to 5.
- (b) Write a C++ program to count and print occurrence of the character 'M' in a given string of maximum 79 characters.
- (c) Write HTML code for the following output:

□ Computer

A. Hardware

i. Printer

ii. Monitor

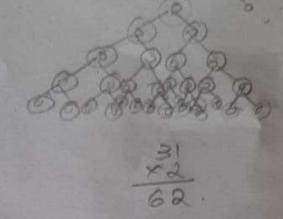
B. Software

i. C++

· arrays

· pointers

ii. Java



5

5

5

5

5

5

OR

5. Attempt any two of the following:

- (a) Write C++ program to read any integer and then check whether it's prime or not prime no.
- (b) Write C++ program to generate and print first 15 terms of fibonacci series (1, 1, 2, 3, 5......)
- (c) Write HTML code for the following table:

