

Instr	uctions :	(2) Figures to the right indicate full marks. (3) Use of any type of calculator not allowed.	
	91.4	(4) Draw a neat diagram whenever necessary.	
1.		he correct alternative and rewrite the sentence:	1
	(a) _	tag is used for scrolling the text on WebPage.	•
	(i)		
1	(ii) 	
	/il	i) <marquee></marquee>	1
	(iv	v)	
	(b) _	is a free operating system.	1
	(i)	Unix	
	(ii)) Windows	
	jii)	í) LINUX	
	(iv) DOS	
	(c)	is a mechanism to achieve run time polymorphism.	1
	(i)	Operator Overloading	
	/fi)) Virtual Function	
	(iii	i) Function Overloading	
	(iv) Constructor	

	(0)	Findi	ng the location of given element is called as	•
	, i	(i)	Searching	
		(ii)	Sorting	
		(iii)	Traversing	
		(iv)	Inserting	
	(B)	Ansv	ver any two of the following:	
	,	(a)	Explain the following components of GUI:	3
			(i) Menu Bar	
			(ii) Scroll Bar	
			(iii) Title Bar	
		(b)	Write three distinct differences between Array and Linked List.	3
		(c)	Write any three advantages and disadvantages of HTML.	3
2.	(A)	Ans	wer any two of the following:	
		(a)	Define Data Structure. Explain any four operations of Data Structure.	3
		. (6)	Write any three distinct differences between Procedure Oriented and Object Oriented Programming.	3
		(c)	Write an algorithm to insert an element into linear array.	3
	(B)	Ans	wer any one of the following:	
	_	(a)	Defined following term of operating system:	4
			(i) External Priority	
		,	(ii) Internal Priority	
			(iii) Purchase Priority	
			(iv) Time Slice	
		(b)	Write declaration statements in C++ for:	4
			(i) Pointer to float type	·
			(ii) An array of 10 real numbers	
			(iii) An array of 80 characters	
			(iv) An object of class student	

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3. (A) A	nswer any two of the following:	
(a	Explain following tags with example :	3
	(i) 	
	(ii) <pre></pre>	
	(iii) <u></u>	
D	What is the function of Information Management? List any four system call in it.	3
Je	What is Constructor? Write any four rules for constructor function.	3
(B) A	nswer any one of the following:	
10	What is Binary Tree ? Draw Binary Tree for following expression :	4
	$Y = (A + B) / (C - D)^2$	
. (6)	Explain in short, any four ways by which system security can be attacked.	4
4. (A) At	swer any two of the following:	
(a)	What is Class? Explain general form of class declaration.	3
4	What is Partitioning? Explain fixed and variable partitioning of short.	3
(e)	Write the function of each of the following file stream classes:	3
	(i) ifstream;	
	(ii) ofstream	
	(iii) filebuf	
(B) An	swer any one of the following:	
_(a)	What is Inheritance? Identify the types of inheritance of following diagram:	4
	(i) A (ii) A B (iii) A B C C C	4
(b)	What is Virtual Memory? Explain following terms in virtual memory (i) page fault	
	(i) page fault	: 4
.	(ii) dirty page	
24	(ii) dirty page	

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Answer any two of the following: Write a program in C++ to find Greatest Common Devisor (GCD) of two (a)5 inputted number. Write a program in C++ to accept 10 integers in an array from keyboard 5 and find largest element of array. 5 Write HTML program for following table: (c) IND v/s ENG Yuvraj 183* IND 387 Dhoni 83 Peterson 58 ENG 238 Bopara 49 IND WIN by 149 Runs OR 5. Answer any two of the following: Write a program in C++ to create a class test having member functions (a) getmarks () to read marks of two subjects and showsum () to display the total marks. 5 Write a program in C++ to read three integers and find smallest of these (b) numbers. 5 Write HTML code to display following output: (c) 5 LIST tag in HTML Arts 0 1. Hindi 2. Marathi Commerce m 0 Tally

Accounts

Physics

Chemistry

Science

Α.

B.

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