

(d)	Find	ing the location of given element is called as	1
14	(i)	Searching	
	(ii)	Sorting	
	(iii)	Traversing	
	(iv)	Inserting	
(B)	Ansv	wer any two of the following:	
*	(a)	Explain the following components of GUI:	3
;		(i) Menu Bar	
Sec. (27)		(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
. (A)	Ansv	wer any two of the following:	
	(2)	Define Data Structure. Explain any four operations of Data Structure.	3
	·(R)	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)	Ansv	wer any one of the following:	
	(a)	Defined following term of operating system:	4
		(i) External Priority	
		(ii) Internal Priority	
1		(iii) Purchase Priority	
		(iv) Time Slice	
	(b)	Write declaration statements in C++ for:	1
		(i) Pointer to float type	4
	*	(ii) An array of 10 real numbers	de F
		(iii) An array of 80 characters	
		(iv) An object of class student	
		Student	

3. (A) Answer any two of the	following	:
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(a) Explain following tags with example:

3

3

3

- (i) <BR>
- (ii) <PRE>
- (iii) <U>
- (b) What is the function of Information Management? List any four system call in it.
- (c) What is Constructor? Write any four rules for constructor function. 3
- (B) Answer any one of the following:
  - What is Binary Tree? Draw Binary Tree for following expression: 4  $Y = (A + B) / (C D)^{2}$
  - (b) Explain in short, any four ways by which system security can be attacked.

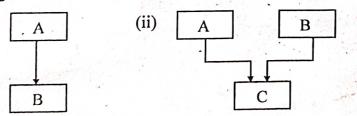
## 4. (A) Answer any two of the following:

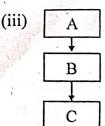
- (a) What is Class? Explain general form of class declaration.
- What is Partitioning? Explain fixed and variable partitioning of short.
- (c) Write the function of each of the following file stream classes: 3
  - (i) ifstream
  - (ii) ofstream
  - (iii) filebuf

(i)

## (B) Answer any one of the following:

(2) What is Inheritance? Identify the types of inheritance of following diagram:





- (b) What is Virtual Memory? Explain following terms in virtual memory: 4
  - (i) page fault
  - (ii) dirty page

5.	Ansv	wer a	ny tv	vo of	the follow	ing:		entire training	-).
	(a)	Writ	te a p	rogran numbe	n in C++ to	o find (	Greatest Common	Devisor (GCD) of	two 5
	(b)_	Writ and	te a p	rogran largest	n in C++ t element o	o acce <sub>j</sub> of arra	ot 10 integers in a	un array from keybo	
	(2)	Writ	e HT	ML p	rogram for	follov	ving table:		.5
							//s -ENG		.5
					NID 20	7	Yuvraj 183	}*	
					IND 38	,	Dhoni 83	-4	
		12.				. • • •	Peterson 5	8	
					ENG 23		Bopara 49		
					INI	) WIN	by 149 Runs		
						-	`D		
	-,487						OR .		
	Answ	ver a	ny tw	vo of	the follow		OR .	green water	
	Ansv	Writ	e a p narks	rogran	n in C++	ing : to crea	te a class test hav	ving member functions with the world	the
1	(a)	Writ getm total	e a p narks mark	orogran () to 1	n in C++ read marks	ing : to crea of two	te a class test have subjects and show	wsum () to display	the 5
		Writ getm total	e a p narks mark	orogran () to 1	n in C++ read marks	ing : to crea of two	te a class test have subjects and show	ving member functions which was to display find smallest of the	the 5
	(a)	Writ getm total Writ num	e a p narks mark e a pr bers.	orogran () to 1 cs. rogram	n in C++ read marks	ing : to crea of two	te a class test have subjects and show	wsum () to display	the 5
	(a)	Writ getm total Writ num	e a p narks mark e a pr bers.	orogran () to 1 cs. rogram	n in C++ read marks n in C++ to ode to disp	ing: to crea of two o read olay fol	te a class test have subjects and show	wsum () to display	the 5 ese 5
1	(a)	Writ getm total Writ num	e a p narks mark e a pr bers.	orogram  () to 1  cs.  rogram  ML co	n in C++ read marks n in C++ to ode to disp	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and a pr	orogram  () to 1  cs.  rogram  ML co	n in C++ read marks n in C++ to ode to disp	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and a pr	orogram  ( ) to 1  (s.  rogram  ML co	n in C++ read marks n in C++ to ode to disp LIS	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and the pr	orogram  ( ) to 1  cs.  rogram  ML co	n in C++ read marks n in C++ to ode to disp LIS	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and the pr	orogram ( ) to 1 cs. rogram ML co Hind Mara	n in C++ read marks n in C++ to ode to disp LIS	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and the pr	orogram ( ) to 1 cs. rogram ML co Hind Mara	n in C++ read marks n in C++ to ode to disp LIS	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write	e a property and the pr	Hind Mara merce Tally	n in C++ read marks n in C++ to ode to disp LIS	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5
	(a)	Write getment total Write num Write o	e a property and the pr	Hind Mara merce Tally	n in C++ read marks n in C++ to ode to disp LIS i thi	ing: to crea of two o read olay fol	te a class test have subjects and show three integers and llowing output:	wsum () to display	the 5 ese 5