

	-		
(3)	Use of any	type of calculator	or is not allowed.

- (4) Draw a neat diagram wherever necessary.
- 1. (A) Select correct options from the following and rewrite sentences:
  - The time required to move R/W Head to the particular track is called
    - Latency Time (i)
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  - data structure does not require contiguous memory allocation. 1 (b)

    - (ii) Stringplete solution for your exam needs
    - (iii) Pointer Array
    - (iv) Linked List
  - Object Oriented Programming uses \_\_\_\_\_ approach of Programming. 1 (c)
    - (i) Linear
    - (ii) Non-linear
    - (iii) Top down
    - (iv) Bottom up

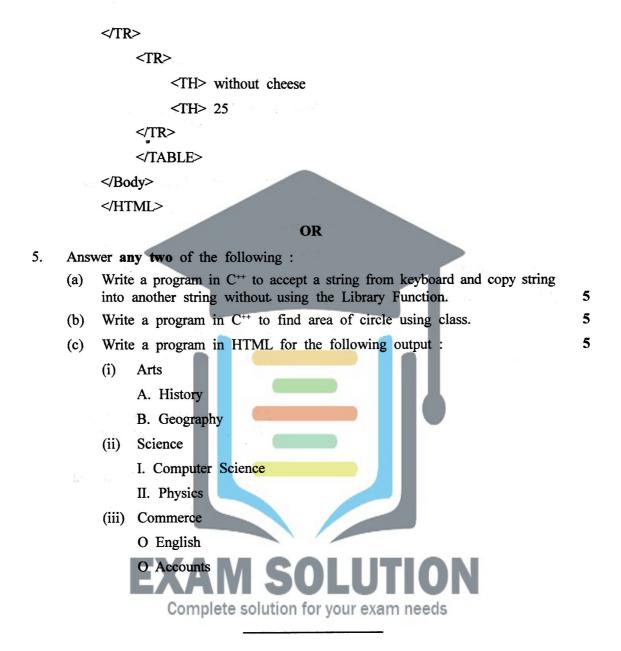
		(d)	The valid attribute of <a> is</a>	1
			(i) NAME	
			(ii) SRC	
			(iii) BGCOLOR	
			(iv) HEIGHT	
	(B)	Answ	ver any two of the following:	
		(a)	What is Virtual Memory? Explain any two elements of Virtual Memory.	3
			What is Data Structure? Define Array and Pointer Array in data structure.	3
		(c)	Give function of following tags with an example of each:	3
			(i) <img/>	
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2. (	(A)	Ansv	ver any two of the following:	
		(a)	Give three differences between WORM and VIRUS.	3
		(b)	Write an algorithm to find smallest element in an Array.	3
		(c)	Define the following terms in C <sup>++</sup> :	3
			(i) Data Abstraction	
			(ii) Operator Overloading	
			(iii) Data Encapsulation	
	(B)		e any one of the following:	
		(a)	What is System Call? List any two System Calls for Memory Management, Process Management and Information Management.	4
		(b)	What is Virtual Function in $C^+$ ? Give any six rules to write Virtual Functions.	4
3.	(A)	Solve	e any fwonof the following for your exam needs	
		(a)	Explain Multiuser and Time Sharing Operating Systems.	3
		(b)	Define:	3
			(i) Tree	
			(ii) Binary Tree	
			(iii) Extended Binary Tree	
		(c)	What is Function Overloading? Give examples of Function Overloading.	3

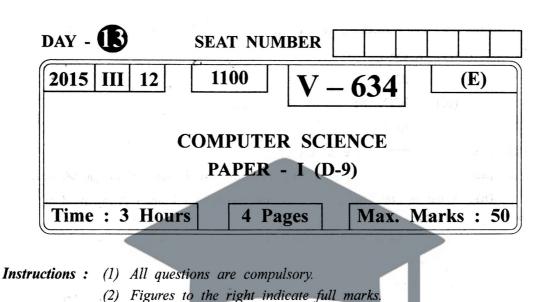
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[Contd.

	(B)	Solve	any one of the following:														
		(a)	Write an algorithm for Binary Search Method. Explain algorithm with suitable example.	4													
		(b)	What is Constructor and Destructor in C++? Give example of Constructor and Destructor in a class.	4													
4.	(A)	Solve	e any two of the following:														
		(a)	What is File System? List and explain types of File Systems used in OS.	3													
		(b)	With suitable example explain how tree can be represented in Memory?	3													
		(c)	What is Inheritance? Explain any two types of Inheritances with Memory.	3													
	(B)	Solve	e any one of the following:														
		(a)	Give features of Windows 98 Operating System.	4													
		(b)	What is Linked List? How they can be represented in Memory?	4													
5.	5. Solve any two of the following:																
	(a)	Write a program in C <sup>++</sup> to accept two integer values in main function, pass them to function great() using call by value and find greater number, function great() should not return any value.															
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	(c)	c) Write output of the following HTML program:															
		<ht< th=""><th>ML&gt; <head> <title> abc </title> </head>   <body> complete solution for your exam needs <h1 align="center"> KBC Restaurant </h1></body></th><th></th></ht<>	ML> <head> <title> abc </title> </head> <body> complete solution for your exam needs <h1 align="center"> KBC Restaurant </h1></body>														
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				<font size="5"> Pawbhaji </font>													
			<th> with cheese </th>	with cheese													
		<th> 35</th>						35									





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