

## Guru Aanklan

## GRAND TEST

## Computer Science - I Code - [A]

Marks: 50

Duration: 3 Hrs

Q.1(A)Sel	ect correct Alte	rnatives and rew	rite the following stateme	nts:	[4]
(a)	Following operator cannot be overloaded.				
	(i) ++	(ii) : :	(iii) &	(iv) *	
(b)	Record contains Data				
	(i) Homogeneous (ii) Non-Homogenous (iii) Same			(iv) None of these	
(c)	'Terminate a process' is the system call available in				
	(i) Process	(ii) Memory	(iii) Information	(iv) File	
(d)	Border attribute is used intag.				
	(i) < HTML >	(ii) <p></p>	(iii) < TABLE>	(iv) <title>&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td colspan=5&gt;Q.1(B) Attempt any TWO of the following&lt;/td&gt;&lt;td&gt;[6]&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td rowspan=2&gt;(a)&lt;/td&gt;&lt;td colspan=4&gt;Explain the following HTML tags with one example of each:&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(i) &lt; MARQU&lt;/td&gt;&lt;td&gt;EE&gt;&lt;/td&gt;&lt;td&gt;(ii) &lt;SUB&gt;&lt;/td&gt;&lt;td&gt;(iii) &lt; BODY&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td rowspan=2&gt;(b)&lt;/td&gt;&lt;td colspan=4&gt;Explain use of the following HTML Tags with example:&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(i) &lt;P&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;(ii) &lt;BR&gt;&lt;/td&gt;&lt;td&gt;(iii) &lt;HR&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(c)&lt;/td&gt;&lt;td colspan=4&gt;Explain in brief any Six Data structure operations.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Q.2(A) An&lt;/td&gt;&lt;td&gt;swer any TWO&lt;/td&gt;&lt;td&gt;) of the following&lt;/td&gt;&lt;td&gt;&lt;b&gt;g:&lt;/b&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;[6]&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(a)&lt;/td&gt;&lt;td colspan=5&gt;What are linked lists? Show a linked list with suitable example having six nodes with a proplabelled diagram.&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(b)&lt;/td&gt;&lt;td colspan=5&gt;What is a class? Explain general form of class declaration.&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(c)&lt;/td&gt;&lt;td colspan=4&gt;What is &lt;math&gt;C++?&lt;/math&gt; What are the advantage of &lt;math&gt;C++?&lt;/math&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Q.2(B) An&lt;/td&gt;&lt;td&gt;swer any ONE&lt;/td&gt;&lt;td&gt;of the following&lt;/td&gt;&lt;td&gt;;&lt;b&gt;:&lt;/b&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;[4]&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(a)&lt;/td&gt;&lt;td colspan=4&gt;State any six features of object oriented programming.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(b)&lt;/td&gt;&lt;td colspan=4&gt;What is VDU? Explain the following terms:&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;(i) Dumb Term&lt;/td&gt;&lt;td&gt;ninal&lt;/td&gt;&lt;td&gt;(ii) Intelligent Termin&lt;/td&gt;&lt;td&gt;nal&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;Guru Aan&lt;/td&gt;&lt;td&gt;klan&lt;/td&gt;&lt;td&gt;1&lt;/td&gt;&lt;td&gt;Website : www.guruaankl&lt;/td&gt;&lt;td&gt;an.com&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>	

## GuruAanklan / Grand / Computer Science - I / Code-[A] / QP O.3 (A) Answer any TWO of the following. [6] (a) What is destructor? Give syntax rules for writing destructor function. (b) State any three advantages and three disadvantages of HTML. (c) What is computer virus? State any four methods by which virus can infect other programs. Q.3 (B) Answer any ONE of the following: [4] Describe how member functions of class can be defined outside the class definition and inside the (a) class definition? What is pointers? What are the Advantages of pointer in C++? Q.4 (A) Answer any TWO of the following [6] What are the features of Linux? (a) Discuss virus detection, removal and prevention philosophies (b) Write any three characteristics of friend function? (c) Q.4 (B) Answer any ONE of the following: [4] Distinguish between computer worm and computer virus. What is a record? How it differs from a linear array? (b) **Q.5** Answer any TWO of the following: [10]Implement a class temperature to convert degree Fahrenheit value to degree Celsius value. [Hint: C/5 = F - 32/9, where C is temperature in degree Celsius and F is temperature in Fahrenheit Write a C++ program by using swap function to interchange given two numbers. (b) Void swap (int &x, int &y); Write an HTML Code to display the following table on Web Page: (c) STUDENT RECORD YEAR **GIRLS BOYS TOTAL** 2010 519 1229 710 2011 800 930 1730 OR **Q.5** Answer any TWO of the following: [10]Write a program in C++ to find sum of first 100 Natural numbers. Write a C++ program to count occurrence of a character "J" in a given string. (b) Write the exact output of the following HTML code: (c) <html> < head > <title></title> </head> < body ><hl> Languages </hl> < 01 >English Second Languages ... </01><ul>Marathi <u1><li>> Hindi</li>><u1>French Sanskrit </u1>

</body>