## Advanced Java Visual C++ 2008 November Science Computer Science TYBSc University of Mumbai

shaalaa.com

## TY BIC compains givence paper IT Advanced Jose Novel (++

Con. 4019-08.

(3 Hours)

[ Total Marks : 100

	M.B.	(1) All questions are compulsory. Figures to the right indicate marks.	*.
		(2) Answers to two sections must be written and submitted separately and mixing of subsections is not allowed.	of .
		(3) Symbols have their usual machine unless attraviate and a	
		(3) Symbols have their usual meaning unless otherwise stated.  (4) Illustrations in depth angulars and discrete will the stated.	
1	.'	(4) Illustrations, in-depth answers and diagrams will be appreciated.	10e
1.4	F2 1	Section I	
			1
1.		Explain the following classes — (i) URLConnection, (ii) ServerSocket.	6
ř.	(b)	What are listeners? Why adapter classes are used instead listeners? Explain KeyAdapter and its methods.	6
	(c)	Write a JAVA program containing a combo box and a un-editable text field. The	5
		When any country is selected, the captain's name should be displayed in text field.	• ;
1.	(p)	What are layout managers 2. Explain any type to be a filled	
*		What are layout managers? Explain any two types of layouts.	6
	(r)	Explain different types of classes/interfaces used in creating trees.	6
		Write a program that sends "Hello" msg to a machine named "YAHOO" on port "4000" using datagram.	5
9.	(a)	Evolain Property decign nettern	
٠.		Explain Property design pattern.	6
	(c)	Write a note on following:— (i) EventSetDescriptor, (ii) Serializable.	6
	(0)	Write an invisible java bean containing two properties - "degree" and "radians". When	4
		we enter a number in degrees field, the appropriate value in radians should be displayed in the second read-only field. [1 radian 2.140 /180 the second read-only field.	*:
		in the second read-only field. [1 radian = 3.142 /180 degrees]	
2.	(p)	What is constrained property 2. Explain the alasses/bate for	
-		What is constrained property? Explain the classes/interfaces used to implement it. Write a note on jar files.	7
			4
	V.7.	Write a bean containing a property "shape". When it is changed, the appropriate figure (rectangle, circle etc) should be displayed in canvas.	5
3.	(a)	What are cooking 2. Housto areas and a second	
٥.	(b)	What are cookies? How to create and read values from cookies?	6
	(c)	Explain different types of statement objects that can be created in JDBC.	6
	(0)	Write a servlet that accepts user name and degree coming from an HTML file. If	5
	P. v.s	degree is BSc, then it redirects the user to "bsc.html", if its MSc then redirects the user to "msc.html".	
_		OR	*
3.	(p)	State and explain various methods of HttpServletRequest and HttpServletResponse classes that are used to read/write to/from client.	6
	(q)	Explain page directive along with its attributes.	6
	(r)	Write a JDBC program that counts the total number of managers from emp table	5
		Emp (empcode → number, empname → varchar, empdesig → varchar)	٠.
	. 9	in the same of the	* 200
		I TURN OVE	D

Visit www.shaalaa.com for more question papers.

## Section II

4. (a)	What parameters are passed to WinMain ( ) and what do they signify?
(b)	Write a short note on CFrameWnd and CWinApp class.
(c)	Write a program that displays in a message box whether the mouse buttons have
	been swapped or not.
	OR
4. (p)	Explain the structure and working of a windows program.
(q)	State and explain various keyboard message handlers.
(r)	Write a program to draw a circle with the center at the position where the left mouse 5
	button is clicked and a line when right button is clicked.
5. (a)	What are the different ways in which menus can be created?
(b)	Explain the Dialog Data Exchange and Dialog Data Validation mechanism.
(c)	Write a program to create a button when you left-click and destroy it when you right-
1 -	click.
	OR CO
5. (p)	Write the steps to create a modal dialog box and display it.
(q)	
(r)	Write a menu based program that draws the geometrical primitive shape (ellipse, 5
•	triangle, rectangle) selected from the menu.
6. (a)	
(b)	
Very state	(i) CToolBar::Create()
	(ii) CToolBar::LoadToolbar( )
	(iii) CToolBar::SetButtons()
(c)	
	OR
6. (p)	그렇게 하면 하는 그는 그는 그는 아는 아는 아는 그들은
(d)	
	(i) CToolBar::SetButtonText( )
1.1	(ii) CToolBar::SetSizes()
	(iii) CToolBar::EnableDocking()
(r)	Write a program to display current mouse coordinates and the status of num-lock
45 200	and caps-lock keys.

Visit www.shaalaa.com for more question papers.