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B.E. / B. Tech. (FULL TIME) DEGREE END SEMESTER EXAMINATIONS, *APRIL/MAY*  
2013

INFORMATION TECHNOLOGY

V SEMESTER

**IT 9021 - VISUAL PROGRAMMING**

**(REGULATIONS – 2008)**

**Time: 3 Hours**

**Maximum Marks: 100**

**Answer All Questions**

**PART – A (10 x 2 = 20 Marks)**

1. How messages are handled in a windows program?
2. What is GDI? Give its significance.
3. List any two significances of MFC classes.
4. Brief the function(s) used for reading a bitmap from the memory.
5. Write a simple code to create a brush object and setting a color.
6. With a sample code brief the initialization of a progress bar control.
7. What is ordinal linkage?
8. Write the code to open a file using a file dialog control.
9. Give the significance of splitter windows.
10. What are ActiveX controls?

**PART – B (5 x 16 = 80 Marks)**

11. a)(i) Write a program to create a window that displays the coordinates of mouse pointer where the user has performed a double click. (16)
12. a) (i) Describe the steps involved in creating a simple SDI application using application wizard. (16)

**Or**

- b) (i) Write a program that creates a simple window and displays two concentric circles shaded in two different colors exactly at the center of the client area. (16)
13. a) (i) Create a dialog window to get user details like name, age, sex, address and email id and display the details in a window. Also validate the user inputs. (16)

**Or**

- b) (i) Explain any four windows common controls with suitable sample codes. (16)

13. a) (i) Explain the CORBA component model. (8)  
(ii) Explain the CCM components and containers. (8)

**OR**

- b) Briefly explain the model driven architecture. (16)

14. a) (i) What are the services offered by CORBA? (8)  
(ii) Explain the 'Connectable objects' of CORBA. (8)

**OR**

- b) Write short notes on  
(i) Application Domain (8)  
(ii) Context (4)  
(iii) Remoting. (4)

15. a) Discuss the component design and implementation tools used in Components in detail (16)

**OR**

- b) Explain briefly the cross development environment. (16)