Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 75559

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Information Technology

XCS 474/ 10677 SW 703 — VISUAL PROGRAMMING

(Common to 5 year M.Sc. Software Engineering/M.Sc. Computer Technology)

(Regulation 2003/2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What is a window? Give its types.

2.   What are the software development kit tools?

3.   Differentiate between SDI and MDI.

4.   What are the characteristics of Dialog Box?

5.   What are VBX controls?

6.   Define serialization.

7.   Name the embedded controls in View.

8.   State the importance of OLE.

9.   List any three storage and retrieval systems.

10. Give the advantages of interoperability.

PART B — (5 × 16 = 80 marks)

11. (a) (i)   Write a window program to create and display a "WELCOME"
                message.   (10)

          (ii) Write a note on message loop with suitable examples.   (6)

Or

(b)	(i)	Explain the methods of getting device context handle.	(8)
	(ii)	Briefly discuss the various child window button controls.	(8)
12.	(a) (i)	Describe the properties, methods and events in Visual Basic.	(8)
	(ii)	Discuss the file system controls in Visual Basic.	(8)

Or

(b)		Explain the ActiveX controls in detail.	(16)
13.	(a)	Explain in detail the VC++ components.	(16)

Or

(b)	(i)	Write a VC++ program to create a Model and Modeless dialog boxes.	(10)
	(ii)	Briefly write about document view architecture.	(6)
14.	(a)	Develop a dialog based application to simulate a calculator. The calculator should add, multiply, subtract and divide two integers.	(16)

Or

(b)		How can you create an ODBC Database Program? Explain.	(16)
15.	(a) (i)	Discuss the goals of user interface design.	(8)
	(ii)	Briefly explain the design of visual interface.	(8)

Or

(b)		Explain how can you invoke multi platform development in visual environments simultaneously. Also state its advantages.	(16)

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