

23.6.16 AN

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Question Paper Code : 27411

5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2016

Seventh Semester

Computer Technology

XCS 474/10677 SW 703 – VISUAL PROGRAMMING

(Common to 5 Year M.Sc. Software Engineering and 5 Year M.Sc. – Information Technology)

(Regulations 2003/2010)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. What are the advantages of visual programming environment ?
2. What are the components of SDK tool ?
3. How do Active X control different from ordinary window control ?
4. Define control array.
5. What is serialization ?
6. What is the application of dynamic data transfer function ?
7. What is OLE ?
8. What is COM interface ?
9. What is visual interface design ?
10. How does VC++ support serialization ?

PART – B (5 × 16 = 80 Marks)

11. (a) Write a program to create a window and explain the functions used for creating a window. (8 + 8)

OR

- (b) Write a DLL that contains some memory which can be shared among various applications using windows programming.
12. (a) How does one create user defined DLL's ? What are its advantages ? Cite an application where this is an added advantage.

OR

- (b) How is object linked and embedded ? Explain with a suitable coding for the above.

13. (a) (i) Explain reading and writing MDI documents with a sample program in VC++. (8)
(ii) Briefly explain about Document View Architecture. (8)

OR

- (b) (i) Discuss the role of MFC in VC++. (8)
(ii) Write a detailed note on Splitter Window and its usage. (8)

14. (a) What is the procedure to create a user defined DLL ? How do you recover some missing DLL ?

OR

- (b) Why is message communications between functions important ? How is this achieved in visual programming environment ? What is the significance of embedding controls in views ?

15. (a) (i) What are the steps involved in designing visual interface ? Explain. (8)
(ii) What is interoperability ? How will you accomplish it in visual programming environment ? (8)

OR

- (b) Write notes on :
(i) File System (8)
(ii) Simultaneous Multiplatform development (8)