CS/BCA/SEM-5/BCA-503/2011-12
2011
WINDOWS PROGRAMMING

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :
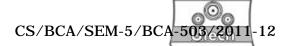
$10 \times 1 = 10$

i)   The WM_COMMAND message is generated when

     a)   left button of the mouse is clicked

     b)   any menu item is selected

     c)   any key of keyboard is passed

     d)   none of these.

ii) The GetStockObject() function retrieves the

     a)   handle of the application

     b)   handle of the device context of window client area

     c)   handle of any system object like pen, font

     d)   none of these.

iii) A complete window application requires

    a) three files   b) two files

    c) one file   d) four files.

iv) To retrieve the messages that sent to the application the function is

    a) GetMessage()   b) WaitMessage()

    c) DispatchMessage   d) None of these.

v) The header file which includes for windows application is

    a) <stdio.h>   b) <windows.h>

    c) <winmain.h>   d) <conio.h>

vi) What is the full form of MFC ?

    a) Multiple Frame Command

    b) Module Frame Class

    c) Microsoft Foundation Class

    d) Microsoft Frame Class.

vii) The module definition (.DEF file) is used by the compiler to set

    a) memory option   b) linker

    c) compiler   d) execute.

viii) To register a window class the function used is

    a) RegisterWindow   b) RegisterWindowClass

    c) RegisterClass   d) Register.

ix) MB_YESNOCANCEL is a parameter of

    a) WinMain   b) UpdateData

    c) MessageBox   d) ShowWindow.

x) OnDraw (CDC *pDC) function is a member of

    a) CDocument   b) CFrameWnd

    c) CView   d) CWinApp

GROUP – B
(Short Answer Type Questions)
Answer any *three* of the following.   3 × 5 = 15

2. Write the code for creating a simple windows.

3. Explain the compiling and linking for windows.

4. Explain about window environment.

5. a) What is meant by Win32 API ?

   b) Discuss about three Win32 APIs.

   c) What is MessageBox ? Write down the parameters of MessageBox function.

6. a) Discuss the WinMain() parameters.

   b) What is a message loop ?

   c) What is the difference between CUI and GUI ?

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

7. a) Define the WNDCLASS structure in windows programming.

   b) Write a complete Windows programme having separate message processing function with two menu items — "First", "Second" and when the "First" is selected a text should be shown and similar for the "Second" menu.   6 + 9

8.   a)   What is child winddow ?   Explain about child window control classes.

     b)   What is the difference between class and structure ?

     c)   What do you mean by inheritance ?

9.   a)   What is Dialog Box ?   How does the dialog box work ?

     b)   What is the difference between the modal and modeless dialog boxes ?

     c)   What is the purpose of the WM_INITDIALOG message ?

     d)   Create a dialog box that takes two integer input from the end user. Then when end user clicks on the ADD button, then sum value of the two numbers are shown.   (1 + 2) + 4 + 2 + 6

10. a)   How to create a listbox ?

     b)   How to add string in the listbox ?

     c)   How to retrieve a selected item from the listbox ?

     d)   What is the meaning of the PRELOAD and LOADONCALL keywords ?   6 + 2 + 3 + (2 + 2)

11. Write short notes on any *three* of the following :   3 × 5

     a)   PostQuitMessage()

     b)   MFC

     c)   MessageBox()

     d)   Windows Memory Management

     e)   DefWndProc()

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