Name : ……………………………………………………

Roll No. : ……………………………………………………

Invigilator's Signature : ………………………………………

CS/BCA/SEM-5/BCA-503/2012-13

2012

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)   When is WM_CHAR message generated ?

  a)   When a mouse is clicked

  b)   When a key is pressed

  c)   When a window is created

  d)   When menu is created.

  ii) In Windows, the largest size of a single segment in memory is

  a)   32 KB   b)   64 KB

  c)   128 KB   d)   16 KB.

iii) GDI stands for

    a) Graphical device interchange

    b) Graphical device internet

    c) Graphical device interaction

    d) Graphical device interface.

iv) GetDC is used to obtain

    a) a pointer to the device context

    b) a reference to the device context

    c) a handle to the device context

    d) none of these.

v) Handle is a

    a) pointer   b) device

    c) number   d) none of these.

vi) SDK stands for

    a) Software development kit

    b) System development kit

    c) System design kit

    d) none of these.

vii) Dispatch message is required to

    a) dispatch a function   b) dispatch a message
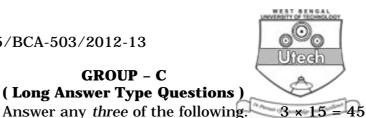
    c) dispatch a pointer   d) none of these.

viii) The number of queues is system queus is

    a)   1   b)   2

    c)   3   d)   4.

ix) MB-OK constant is a parameter of

    a)   Winmain()   b)   Messagebox()

    c)   Getmessage()   d)   GetDC().

x) The initial entry point in windows programming is

    a)   mian()   b)   WinMain()

    c)   WinProc()   d)   none of these.

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

2. How is object oriented concept used in Windows Programming ?

3. Define WNDCLASS structure.

4. Explain CREATEWINDOW() with proper syntax.

5. What are the difference between Win 32 API and MFC ?

6. What is dialog box ? How many types of dialog boxes are there ?

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

7. a) Decribe the Message processing function–WinProc().

   b) Explain the difference between indirect of dialog boxes and Dynamic Dialog boxes.   **8 + 7**

8. a) Discuss CreateWindow() with proper syntax.

   b) Write a windows programming code to create a new window class using the class to popup window.   **8 + 7**

9. a) Write a short window program to create a child window and send messages to child window

   b) What are the parameters passed to Message-Box() function and what they signify ?   **8 + 7**

10. a) Explain the difference of console and GUI applications using Message Box API in a simple program.   **7**

   b) Describe Application queue, Message queue.   **4 + 4**

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

   a) MDI

   b) API

   c) MFC

   d) SDK

   e) Server.