Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/BCA-(SEPARATE SUPPLE)/SEM-5TH/BCA-503/2011

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)   To register a new Windows class, the function that we call is

   a)   Register Window ( )   b)   Register Class ( )

   c)   Register Window ( )   d)   None of these.

   ii) Get DC 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.

SS-11   [Turn over

iii) MB_OK Constant is a parameter of

    a)   WinMain ( )   b)   MessageBox ( )

    c)   GetMessage ( )   d)   GetDC ( )

iv) Handle is a

    a)   pointer   b)   number

    c)   reference   d)   none of these.

v) _____ is long pointer to a string

    a)   LSTR   b)   LPCSTR

    c)   LPSTR   d)   LCSTR.

vi) GDI stands for

    a)   Graphics Device Interchange

    b)   Graphics Device Internet

    c)   Graphics Device Interaction

    d)   Graphics Device Interface.

vii) The initial entry point in windows programming is

    a)   main ( )   b)   WinMain ( )

    c)   WndProc ( )   d)   None of these.

viii) SDK stands for

    a)   Software Development Kit

    b)   System Development Kit

    c)   System Design Kit

    d)   Software Design Kit.

ix) What values does the wparam contain ?

 a) The number of times the key is pressed

 b) The left button of the mouse is pressed

 c) The right button of the mouse is pressed.

 d) The ASCII value of the respective key pressed.

x) Dispatch Message is required to

 a) Dispatch a function   b) Dispatch a message

 c) Dispatch a pointer   d) Dispatch a reference.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15
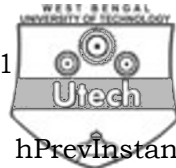
2. Explain window client area. What is Class Wizard ?   3 + 2

3. What is the purpose of Process Handle Table ? You forget to call close Handle– will there be a memory leak ?   2 + 3

4. What is Duplicate Handle (API) ? What is a thread ?   2 + 3

5. What is a semaphore and why is it used ?   5

6. What is the objective of Windows Programming ?   5

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.   3 × 15 = 45

7. What is MS Windows ? Windows application all tend to have the same 'look and feel' Describe it. What is Programming Instance.   2 + 10 + 3

8. What do you mean by HANDLE hInstance, hPrevInstance, IpszCmdLine, nCmdShow, HWND ? Define Message and Message loop. (6 × 2) + 3

9. a) What is Dialog box ? How many Dialog box are there ? Describe each of them.   7

    b) Write down the necessary steps to create a dialog box window.   8

10. a) What is Resource in Windows Programming ? Discuss various resources available in windows :   6

    b) What is MFC ?   4

    c) What do you know about application framework of MFC ?   5

11. a) What are the types of window message ? Discuss them.   3

    b) Describe message loop.   4

    c) Describe MSG structure for windows programming.   5

    d) What is SDK ?   3