Name : …………………………………………………………

Roll No. : …………………………………………………………

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

CS/BCA/SEM-5/BCA-503/2010-11
2010-11
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) Class is a

        a) Logical address   b) Physical address

        c) Storage Device   d) All of these.

    ii) Encapsulation is a property of

        a) OPPs   b) Structural language

        c) Both (a) & (b)   d) None of these.

    iii) Object is an

        a) Instance of a class   b) Instance of a method

        c) Both (a) & (b)   d) None of these.

    iv) To register a new window class the function that we call is

        a) Register Window ()

        b) Register Class ()

        c) Register Window Class ()

        d) None of these.

v) In window the largest size of single segment in the memory is

    a) 128 kB   b) 32 kB

    c) 64 kB   d) 16 kB.

vi) The initial entry point in Windows Program is

    a) main ()   b) WinMain ()

    c) WinProc ()   d) none of these.

vii) HWND is a handler of

    a) Function

    b) Object

    c) Window

    d) Current instance of an application program.

viii) SDK stands for

    a) Software Development Kit

    b) System Development Kit

    c) Software Design Kit

    d) System Design Kit.

ix) SDI is a

    a) Single Distance Interface

    b) Single Document Interface

    c) Single Distributive Interface

    d) None of these.

x) MB-OK constant is a parameter of

    a) WinMain ()

    b) MessageBox ()

    c) GetMessage ()

    d) GetDC ().

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. Describe message loop.

3. Define the MSG structure. What is API ?   3 + 2

4. How is DOS base programming different from windows based programming ? What is Program Instance ?   4 + 1

5. What is Windows menu system ? Describe briefly.

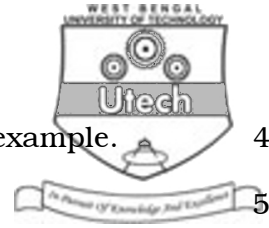6. What are the different parameters in WinMain () function ?

GROUP – C

(Long Answer Type Questions)

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

7. a) What is polymorphism ?

    b) What are common dialog boxes ?

    c) What is resource ? Discuss its components.

    d) Describe menu creation in a Windows.

8. a) What are the different types of Windows messages ? Describe them.   3

    b) What is dialog box ? How many types of dialog box are there ? Describe each of them.   7

    c) Describe system queue, application queue and message loop with a diagram.   5

9. a) What is nested dialog ? Explain with example. 4

   b) Explain GDI. What is MFC ? 5

   c) Explain all parameters of create window function. 6

10. a) What is inheritance ? 2

    b) Explain how clip board works. 5

    c) Discuss various clip board functions. 5

    d) Discuss the difference between Combo box and List box. 3

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

    a) LOOK and FEEL

    b) MFC

    c) SDK

    d) Graphics objects

    e) Application Framework.