

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.

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- 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. $3 \times 5 = 15$

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. $3 \times 15 = 45$

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

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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.
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