Name :	
Roll No. :	A Annual Of Kampings and Uniford

Invigilator's Signature :

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.

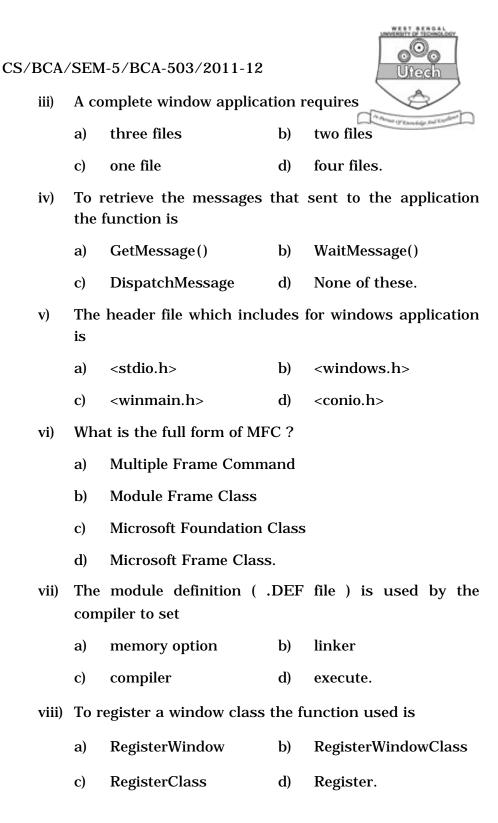
GROUP – A

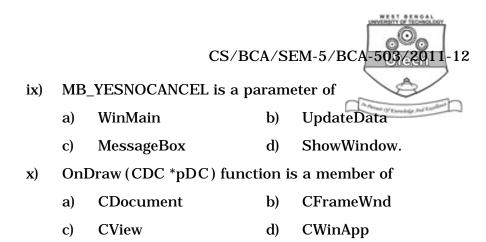
(Multiple Choice Type Questions)

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.





GROUP – B (**Short Answer Type Questions)** Answer any *three* of the following.

 $3 \times 5 = 15$

- 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.

- 7. a) Define the WNDCLASS structure in windows programming.
 - b) Write a complete Windows programme having separate message processing function with two menu items — "<u>F</u>irst", "<u>S</u>econd" and when the "<u>F</u>irst" is selected a text should be shown and similar for the "<u>S</u>econd" menu. 6 + 9

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[Turn over

 $3 \times 15 = 45$



- 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()