

IV Semester B.C.A. Degree Examination, May/June 2014  
(Y2 K8 Scheme)  
COMPUTER SCIENCE

(F + R – 70 – 2012-13 and Onwards)  
(R – 60 – Prior to 2012-13)  
BCA 405 : Visual Programming



Time : 3 Hours

Max. Marks : 60/70

**Instructions:** 1) Answer *all* Sections.

2) Section **D** is applicable to **2011, 2012** and Onwards

SECTION – A

I. Answer **any 10**. Each question carries 1 mark.

(10×1=10)

- 1) What are the different categories of events in visual basic ?
- 2) Explain the use of form layout Window in visual basic.
- 3) What is 'DIM' statement in Visual basic ?
- 4) Define ADO in visual basic.
- 5) Explain the use of 'Val' function in visual basic.
- 6) What is "Large Change" and "Small Change" property in visual basic scrollbar ?
- 7) Explain "got focus" event in visual basic.
- 8) Define MFC.
- 9) Define resource.
- 10) Define OLE.
- 11) Define SDK.
- 12) What is device context ?

P.T.O.

## SECTION – B

II. Answer **any 5** questions. **Each** question carries **3** marks.

- 13) What is DLL ? Explain.
- 14) Explain variant data type with example.
- 15) Define explicit and implicit type of declaration in visual basic.
- 16) Explain the various date functions available in visual basic.
- 17) Define checkbox, option button and text box control in visual basic.
- 18) Explain message map in VC++.
- 19) Write the various components of VC++.
- 20) Explain features of MDI.

## SECTION – C

III. Answer **any 5** questions. **Each** question carries **7** marks.

- 21) Explain the different help formats available in Windows.
- 22) Explain various Windows data types.
- 23) a) Explain timer control in Visual Basic.  
b) Explain with syntax and example the various 'do' loops in Visual Basic.
- 24) a) What is control array in Visual Basic ? Explain.  
b) Explain msgbox () function with example in Visual Basic.
- 25) a) Explain 'select case' statement with example in visual basic.  
b) What is menu editor in visual basic ? Explain.



- 26) a) Explain serialization in VC++. 4
- b) Explain the different types of menus in VC++. 3
- 27) Explain splitter Window.
- 28) Write short notes on :
  - a) ODBC 3
  - b) Exception handling. 4

SECTION – D

**IV. Answer any one question. Each question carries 10 marks. (10x1=10)**

- 29) Write a visual basic database application to maintain employee information like empro, name, dept, designation, salary. User can add, save, delete, search and navigate records in the application. Make necessary assumptions. 10
  - 30) a) Write a VC++ program to create and load a simple menu in a Window. 5
  - b) Explain document/view architecture. 5
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