IV Semester B.C.A. Degree Examination, April/May 2015
(Y2K8 Scheme)
COMPUTER SCIENCE
BCA 405 : Visual Programming
(70 Marks – 2012-13 and Onwards/60 Marks – Prior to 2012-13)

Time : 3 Hours   Max. Marks : 60/70

Instructions : *Sections A, B, C are common to all. Section – D is applicable to students who were admitted in 2011-12 and onwards only.*

SECTION – A

Answer **any ten** questions. **Each** question carries **one** mark.   (10×1=10)

1. What is a resource ?

2. What is meant by SDK ?

3. What is meant by explicit variable declaration ?

4. What is form-layout window ?

5. What is passwordchar property of a textbox ?

6. What is the use of WITH-ENDWITH statement ?

7. How do you declare an array in VB ? Give an example.

8. When is lostfocus event executed ?

9. What is variant datatype ?

10. What is MFC ?

11. What is MDI ?

12. Expand ODBC.

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-2-

SECTION – B

Answer **any five** questions. **Each** question carries **three** marks.   (5×3=15)

13. What is a handle ? Briefly explain any two commonly used handles.

14. Explain any three string functions used in VB.

15. Define an event. What are different types of events in VB ?

16. Explain <u>msgbox</u> function with syntax and example.

17. Explain the following properties :
    a) VISIBLE
    b) INDEX
    c) WINDOWSTATE.

18. Explain message-map in VC++.

19. What is a dialog box ? What are different types of dialog boxes in VC++ ?

20. What is DLL ? Explain the advantages of using DLL.

SECTION – C

Answer **any five** questions. **Each** question carries **seven** marks :   (5×7=35)

21. Explain different help formats available in WINDOWS.   7

22. What is a device context ? Explain different types of device context.   7

23. Explain various looping control structures used in VB.   7

24. a) Explain open method of connection object with syntax and example.   3

    b) Explain the following methods of a recordset :   4
       i) AddNew
       ii) Update
       iii) MoveNext
       iv) Delete.

25. a) Explain any four properties of a combo box.   4

 b) What are the different methods of passing arguments to a function ?   3

26. Explain document/view architecture.   7

27. a) Briefly explain exception handling mechanism in VC++.   4

 b) Explain ODBC and components used for implementing ODBC.   3

28. Explain splitter windows and their types in VC++.   7

SECTION – D

Answer **any one** question. **Each** question carries **ten** marks.   **(1×10=10)**

29. Write a VB program to maintain ITEM DETAILS like ITEM NO, ITEMNAME, PRICE, QUANTITY in a database. The program should have options like ADD, SAVE, DELETE, SEARCH and navigation of records. (Make necessary assumptions)   10

30. a) Write a VC++ program to create and load a simple menu in a window.   6

 b) Explain serialisation.   4

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