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?
8. When is lostfocus event executed?
9. What is variant datatype?
10. What is MFC?
11. What is MDI?
12. Expand ODBC.
SECTION – B

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

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 `msgbox` 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: \((5 \times 7 = 35)\)

21. Explain different help formats available in WINDOWS.

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

23. Explain various looping control structures used in VB.

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

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

25. a) Explain any four properties of a combo box.  
       b) What are the different methods of passing arguments to a function?  


27. a) Briefly explain exception handling mechanism in VC++.  
       b) Explain ODBC and components used for implementing ODBC.  

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

SECTION - D

Answer any one question. Each question carries ten marks.  

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)  

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