



SA – 915

29

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.

P.T.O.



## 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 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 :

(5×7=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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