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Reg. No.

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IV Semester B.C.A. Degree Examination, August/September - 2023

COMPUTER APPLICATION

Visual Programming .Net

(CBCS Scheme)

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

Answer all sections.

SECTION - A

Answer any Ten questions. Each question carries Two marks.

(10×2=20)

1. What is visual studio IDE? What types of applications developed using this IDE?
2. What is garbage collection in .NET?
3. How would you find out the properties of the form class?
4. Write the syntax : for loop and foreach loop.
5. Write any 4 basic differences between functions and subprocedures in VB.NET?
6. Define Timer in VB.NET.
7. What are LTrim() and RTrim ()? Give an example.
8. Define : message box and Input Box.
9. What is the use of stream reader, stream writer and file stream?
10. Define Dim and ReDim.
11. What is RichTextbox? Compare it with textbox.
12. What is the multiline and readonly properties of textbox?

SECTION - B

Answer any Five questions. Each question carries Ten marks.

(5×10=50)

13. Explain various components of visual studio IDE.
14. a) What are the different types of data types available in VB.Net? Explain.
b) Explain type conversion with an example.

(5+5)

[P.T.O.]





(2)

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15. a) Explain Radiobutton and picturebox with an example.
b) Explain switch concept with an example. (5+5)
16. Explain with an example string and mathematical functions.
17. a) Write a program to perform currency conversion using a window application.
b) Write a note on ODBC connectivity. (5+5)
18. a) Explain a timer concept by designing the form where text will be moved from left to right.
b) Write a note on dialog box controls. (5+5)
19. Explain data validation with an example program. [Consider Registration form] in VB.Net.
20. a) Design and write code for building a web application to read student name, register number and marks.
b) Write a note on crystal reports. (5+5)
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MS – 536

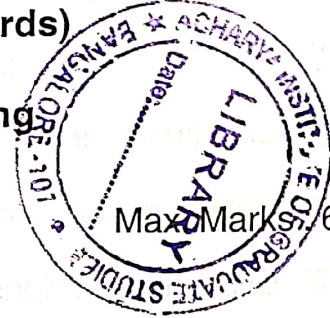
IV Semester B.C.A. Degree Examination, May/June 2014
(Y2 K8 Scheme)

COMPUTER SCIENCE

(F + R – 70 – 2012-13 and Onwards)

(R – 60 – Prior to 2012-13)

BCA 405 : Visual Programming



Time : 3 Hours

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.

(5×3=15)

- 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.

(5×7=35)

- 21) Explain the different help formats available in Windows.
- 22) Explain various Windows data types.
- 23) a) Explain timer control in Visual Basic. 3
b) Explain with syntax and example the various 'do' loops in Visual Basic. 4
- 24) a) What is control array in Visual Basic ? Explain. 3
b) Explain msgbox () function with example in Visual Basic. 4
- 25) a) Explain 'select case' statement with example in visual basic. 4
b) What is menu editor in visual basic ? Explain. 3



- 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. (10×1=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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