



UG – 417

19  
IV Semester B.C.A. Examination, Sept./Oct. 2022  
(CBCS) (F+R) (2015-16 and Onwards)  
**COMPUTER SCIENCE**  
**BCA 403 : Visual Programming**

Time : 3 Hours

Max. Marks : 70

**Instruction** : Answer *all* Sections.

SECTION – A

I. Answer **any ten** questions.

**(10×2=20)**

- 1) What is IDE in Visual Basic ?
- 2) Mention the features of VB.
- 3) What are the types of declaration in VB ?
- 4) Define dynamic array with a syntax.
- 5) What are the different types of end statement ?
- 6) What is control array ?
- 7) What is timer control ? Mention its properties.
- 8) What is the use of ADO control in VB ?
- 9) Expand the term JDBC and ODBC.
- 10) Give the advantages of MFC library.
- 11) Mention the types of splitter window in VC++.
- 12) What is OLE control ?



SECTION – B

II. Answer **any five** questions.

**(5×10=50)**

- 13) a) Explain types of events in VB.  
b) Explain Input Box and Message Box functions with syntax and example.

**(5+5)**

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- 14) a) Distinguish between picture box and image box.  
b) Define combo box. Explain any four properties of a combo box. (5+5)
- 15) a) Explain select case structure in VB with a suitable program.  
b) What is string ? Explain any five string functions. (5+5)
- 16) a) What is control array ? Explain the use of it with an example.  
b) What is procedure ? Explain how many types of procedures are supported in VB. (5+5)
- 17) a) What is class module ? Explain the procedure to create class module in VB.  
b) Explain in file handling the open statement format with the file modes. (5+5)
- 18) a) Write a program to validate the username and password using data control.  
b) What is record set ? Discuss the types of record set objects. (5+5)
- 19) a) Explain any 5 dialog boxes in VC++.  
b) Explain document/view architecture. (5+5)
- 20) a) Explain MDI in detail.  
b) Explain exception handling in VC++ with a program. (5+5)
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