



**GS-639**

IV Semester B.C.A. Examination, May/June 2019

**COMPUTER SCIENCE**

**BCA-403 : Visual Programming**

(CBCS) (Fresh+Repeaters) (2015-16 & Onwards)

Time : 3 Hours

Max. Marks : 70

**Instructions :** Answer **all** sections.

**SECTION - A**

Answer **any ten** questions. Each question carries **two** marks.

**10x2=20**

1. What is visual basic ?
2. What is the difference between form and frame ?
3. Name the different types of events used in VB.
4. What do you mean by option explicit ?
5. Write any two differences between function and procedures.
6. What is the need of control array ?
7. What are WITH and ENDWITH statements ?
8. Expand the terms JDBC and ODBC.
9. What is the purpose of using REM and DIM keywords in VB ?
10. What do you mean by OLE Control ?
11. Define resource. Name any two resources of VC++.
12. What is Splitter window in VC++ ? Mention the types of Splitter windows.

**P.T.O.**



**SECTION - B**

Answer **any five** complete questions. Each question carries **ten** marks. **5x10=50**

- 13.** (a) What is IDE in VB ? Discuss the components of IDE. **5+5**  
(b) What is Variant data type ? Explain with example.
- 14.** (a) What is the difference between Picture box and Image box controls ? **5+5**  
(b) Explain the important properties of text box control.
- 15.** (a) What is dialog box ? Explain input box and message box with example. **5+5**  
(b) Differentiate While loop and Do Until looping statements.
- 16.** (a) What is menu ? Explain the steps to create a menu with suitable example. **5+5**  
(b) Explain different parameter passing mechanisms of functions in VB.
- 17.** (a) Explain the steps to connect database in VB using ADODC control. **5+5**  
(b) Define the terms, Record set, Record source and Data fields.
- 18.** (a) Write a VB program to perform add, delete and search operations using Data control. **5+5**  
(b) Write a short note on Timer and DTPicker controls.
- 19.** (a) What is the difference between MDI and SDI document architectures ? **5+5**  
(b) Describe the steps to create dialog box using resource editor in VC++.
- 20.** (a) What is MFC ? Explain MFC class hierarchy. **5+5**  
(b) What is an exception ? Explain exception handling concept in VC++ with example.

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