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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 **5+5** example.
    (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 **5+5** Data control.
    (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.
    (b) What is an exception ? Explain exception handling concept in VC++ **5+5** with example.

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