

(b) What do you mean by Arrays ? Give difference between static arrays and dynamic arrays. How can they be created in Visual Basic ? Give syntax.

7. What do you mean by control loop and conditional statements in VB ? Explain in detail with example.

Unit-IV

8. (a) Describe the methodology to create a menu using Visual Basic.

(b) What is Function ? Explain the concept of function returning data types and function returning arrays in VB.

9. (a) Explain the following in detail through suitable example :

(i) Hiding and showing forms

(ii) Load and unload statements

(b) What do you mean by Procedures ? Discuss various types of procedures available in VB in detail.

Roll No. :

Total No. of Questions : 9] [Total No. of Pages : 4

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B.C.A. 5th Semester (New)
Examination, March-2021
(Full & Reappear)

VISUAL BASIC

Paper-BCA-304

Time : **Three Hours**]

[**Maximum Marks : 80**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note :- Attempt *five* questions in all. Question No. 1 is compulsory. Attempt *four* more questions, selecting *one* question from each Unit. All questions carry equal marks.

1. (a) Discuss the various features of Visual Basic.
- (b) What is the use of Popup menus in VB ?
- (c) Discuss one dimensional and multi-dimensional arrays in detail.

- (d) Explain the need of built-in functions in Visual Basic.
- (e) What do you mean by multiple forms in VB ?
- (f) Discuss about menu bar and toolbar in detail.
- (g) Discuss immediate window and code window in detail.
- (h) How VB Supports Integrated Development Environment ?

Unit-I

- 2. (a) What is an Event ? Discuss some of the event supported by VB object. Also explain the role of event processor in VB.
- (b) What is Form ? How do we create the form and managed at run time ? Also discuss some common form properties.
- 3. (a) What do you mean by Visual and Non-visual Programming, Procedural, object-oriented programming language ? Explain in detail.

- (b) What do you mean by VB environment ? Explain Toolbox, Form Designer, Form layout and properties window in detail.

Unit-II

- 4. (a) What do you mean by Variables ? What is its scope ? Explain the different variables used in VB.
- (b) Discuss the usage of Message box, input box and print statement in VB Program.
- 5. (a) What do you mean by Constants and Operators in VB ? Explain the different types of operators used in VB.
- (b) Discuss various controls used for input/output in VB.

Unit-III

- 6. (a) What do you mean by Collection ? Explain the concept of returning items in a collection in detail.