

Roll No. ....

**97680**

**BCA 5th Semester (New)  
Examination – November, 2018**

**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 any *five* questions in all. Question No. 1 is *compulsory*. In addition to *compulsory* question, attempt *four* more questions selecting *one* question from each unit.

1. (a) Discuss the various features of Visual Basic.
- (b) Discuss one dimensional and multi-Dimensional arrays in detail.
- (c) Explain the need of built-functions in Visual Basic. List out the various built in functions that are available in the latest version.
- (d) What do you mean by hiding and showing forms ?
- (e) How VB Supports integrated Development Environment ?

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- (f) Discuss about menu bar and toolbar in detail.
- (g) Discuss immediate window and code window in detail.
- (h) What does Option Explicit refer to ?

**UNIT – I**

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

**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.
- (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) What do you mean by Procedures ? Discuss various types of procedures available in VB in detail.
- (b) Describe the methodology to create a menu using Visual Basic.
- 9. (a) What do you mean by SDI and MDI form ? How you create an MDI form ? Also explain the steps for creating pop-up menu.
- (b) What is function ? Explain the concept of function returning data types and function returning arrays in VB.