

Roll No. ....

**OLE-97680**  
**BCA 5th Semester (New)**  
**Examination – April, 2021**

**VISUAL BASIC**

**Paper : BCA-304**

*Time : Three Hours ]*

*[ Maximum Marks : 80*

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*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.*

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**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) What is Visual Basic ? Explain its features.
- (b) Explain the uses of immediate window.
- (c) What do you mean by Hiding and showing forms ?

- (d) How VB Supports integrated Development Environment ?
- (e) Explain the need of built-in functions in Visual Basic.
- (f) What do you mean by activate and deactivate events ?
- (g) What is optional arguments ?
- (h) What do you mean by collections ?

## **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) Explain the following in detail :
  - (i) Visual & Non-Visual Programming
  - (ii) Procedural and object-oriented programming language
- 3. (a) What do you mean by VB environment ? Explain Toolbox, Properties window, Form designer, Form layout and properties window in detail.

- (b) What is form ? How do we create the form and managed at run time ? Also discuss some common form properties.

## **UNIT – II**

4. (a) What do you mean by Constants and Operators in VB ? Ex-plain the different types of operators used in VB.
- (b) What do you mean by variables ? What is its scope ? Explain the different variables used in VB.
5. Explain the following in detail :
- (a) Usage of Message box, input box and print statement in VB Program.
- (b) Controls used for Input/Output in VB.

## **UNIT – III**

6. Explain the following in detail through suitable example :
- (a) If-then-else statement
- (b) Select-case statement

- (c) For-next loop statement
  - (d) While-wend loop statement
7. (a) What do you mean by collection ? Explain the concept of Returning items in a collection in detail
- (b) What is arrays ? Give difference between One-Dimensional and Multi-dimensional arrays. How can they be created in Visual Basic ? Give syntax.

#### **UNIT – IV**

8. (a) What is function ? Explain the concept of Function returning data types and Function returning arrays in VB.
- (b) What is Procedures ? Discuss various types of procedures available in VB in detail.
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 menu in VB ? Describe the methodology to create a menu using Visual Basic in detail.

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