

## **E214**

### **B.C.A. EXAMINATION, 2020**

(Fifth Semester)

(B Scheme)

(Re-appear Only)

BCA

BCA307B

VISUAL PROGRAMMING

*Time : 3 Hours*]

[*Maximum Marks : 75*

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

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**Note** : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

#### **Unit I**

1. (a) Explain VB integrated Development Environment in detail. **10**
- (b) Explain properties window. **5**
2. (a) Explain features of Visual basic. **5**
- (b) Explain the types of arrays in VB and describe with an example. Also write a program to sort 20 names using arrays. **10**

## **Unit II**

3. (a) Define an event. What are the different types of events in VB ? **7**  
(b) Compare Visual and Non-Visual Architecture. **8**
4. Create an application in VB that displays the mouse movement event in text box for mouse up, mouse down, right button clicked and left button clicked events. **15**

## **Unit III**

5. (a) Write a VB program to create menu bar in MDI. **10**  
(b) Explain Intrinsic Control in VB. **5**
6. Write an application in VB to validate the user name and password using a button submit and display a message box "Invalid username or password" if the user name or password is incorrect. **15**

## **Unit IV**

7. Develop an application in Visual Basic to add, delete and updates record of passengers. Also, display a list of records of passengers travelling in a certain train on a particular date. **15**
8. Explain ADO data control with suitable example. **15**