

Roll No. ....

Printed Pages : 2

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**1954**

**BCA / M-19**  
**ADVANCED PROGRAMMING WITH VISUAL**  
**BASIC**  
**Paper-BCA-365**

*Time allowed : 3 hours]*

*[Maximum marks : 80*

**Note :** *Question No. 1 is compulsory. In addition to that attempt four more questions, selecting one question from each unit. All questions carry equal marks.*

**Compulsory Question**

1. (a) Write the syntax to add a new item in a collection.  
(b) Name the various events in drag and drop operations.  
(c) How can you add shortcut key to a menu item ?  
(d) What is the purpose of a slider control ?  
(e) What is the difference between sequential and random files?  
(f) What are the various ways for setting colours in VB ?  
(g) What is the difference between data controls and data bound controls ?  
(h) What properties of a text box must be set to connect to a database ? 8×2=16

**Unit-I**

2. (a) Explain all the features of MDI form. How it is different from SDI form ? 8  
(b) Differentiate between array and collection. Provide some applications where arrays are better than collection and vice-versa. 8

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3. (a) Explain following with the help of examples :
- (i) Activate and Deactivate events
  - (ii) Load and Unload statements
  - (iii) Showing and Hiding forms 12
- (b) Differentiate between manual and automatic drag. 4

### Unit-II

4. How can we create static and dynamic menus in VB ? Explain with the help of suitable examples. 16
5. Write short notes on :
- (i) Scroll Bar
  - (ii) Tree View
  - (iii) Rich Text Box
  - (iv) Image List 16

### Unit-III

6. Write a program in VB to read the contents of a sequential file and store the contents into another file after converting all the characters in uppercase. 16
7. How graphics can be handled in VB ? Explain by drawing point, line, circle and arc in VB. Explain using suitable examples. 16

### Unit-IV

8. Discuss object models of DAO, RDO and ADO in detail. 16
9. Write a small program to connect VB with a database of your own choice using ADODB. Also show the design of the form. 16