

**-III**

6. (a) Define ActiveX controls. How are these different from standard controls ? Discuss the procedure of creating and registering ActiveX control.
- (b) What are the steps for setting up ActiveX controls in ADO ? How bound ActiveX controls are used with ADO ?
7. (a) Discuss the working of ADO. Write an example to insert, delete, update and retrieve data at run time with ADO.
- (b) What are an ActiveX data object and extender objects? What are the steps for creating property sheet, class module, pages and browser.

**IV**

8. (a) Differentiate between Crystal Reports and Crystal Reports. How are these generated ?
- (b) Explain various development tools used in VB with their functioning.
9. (a) What are ActiveX controls ? Explain with an example.
- (b) Discuss Client and service models present in V

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Roll No. ....

**67175**

**M.C.A. 4th Sem. (with new notes)  
M.M. 80**

**Examination-May, 2017**

**VISUAL LANGUAGES PROGRAMMING  
(NEW)**

**Paper-MCA-405**

**Time : 3 hours**

**Max. 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 the examination.

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

**1. Compulsory Question:**

- (a) What is startup object? How can you set form free startup ?

- (b) Discuss the properties and various methods to manipulate list box control.
- (c) What is the significance of variant data type? Give an example for creating user defined data type.
- (d) What is the purpose of option explicit statement?
- (e) What are the standard controls? Enumerate some of them.
- (f) What are the DAO objects? Discuss the scenario using three of them to return data from a database.
- (g) Write steps to add an event to a user defined ActiveX control.
- (h) What are the features and uses of VB script?

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### T-I

2. (a) What are the uses of picture box? How is it different from image control?
- (b) Write a VB program to add week days in a listbox control and delete one of them.
- (c) Differentiate between SDI and MDI application. Write steps to create MDI application.

3. (a) What is client-server database deployment? Differentiate two-tier and three-tier client-server model.
- (b) Discuss the steps involved in creation of predefined menu in VB. Also write syntax for creating popup menu.
- (c) Discuss different events related to keyboard and mouse that can be used in VB.

### UNIT-II

4. (a) What are the ways to restrict usage of any variable or module? Discuss with an example.
- (b) What is control array? How can you add or remove controls in it during run time?
5. (a) Differentiate procedure and function. Discuss the example of parameter passing using By value and By reference.
- (b) How is data control different from bound control? What are the steps to access and display the contents of database using DAO?