

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (OLD) - EXAMINATION – SUMMER 2017****Subject Code: 150706****Date: 15/05/2017****Subject Name: Visual Basic Application & Programming (Institute Elective - II)****Time: 02:30 PM to 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is VBA? State the advantages and disadvantages of VBA. **07**
(b) State the dangers of macro viruses. How are digital signatures applied to macros? **07**

- Q.2** (a) Explain the Project Explorer, Properties Window and Object Browser. What is IntelliSense property? **07**
(b) What are events? How are they triggered? State 3 different events of different Controls. **07**

OR

- (b) What is a timer control? State the properties and events of timer control with the help of example. **07**
- Q.3** (a) Accept a number from the user and display the table of that number in a text box. Mention the controls and properties of the controls for the user interface. (For example if the entered number is 5 then the table is shown in the textbox as
5 * 1 = 5
5 * 2 = 10
.
.
.
5* 10 = 50) **07**
(b) Accept 10 numbers from the user and store it in an array of size 10. Display the contents of the array in 1 text box and the Maximum of the array in other textbox. Assume suitable user interface. **07**

OR

- Q.3** (a) Describe various loops available in VBA with examples. **07**
(b) Describe Select... Case construct with the help of an example. **07**
- Q.4** (a) Differentiate between procedures and functions in VBA. **07**
(b) Write a function which accepts 2 numbers as parameters and returns the sum of all odd numbers between 1st parameter and 2nd parameter.(For example if 1st parameter is 2 and 2nd parameter is 10 all odd numbers from 2 to 10 should be added). **07**

OR

- Q.4** (a) Explain Resume, Resume Next and Resume Label in Error Handling with example. **07**
(b) Write a short note on CommandBar and CommandBarControl object. **07**

Q.5 (a) Assume a user interface with 1 ComboBox and 1 ListBox. The ComboBox should display all the departments of your college (EC, IT, CE, Mech... etc.). Once you select the department, the Listbox should show the names of all semester 5 subjects of the selected department in the ListBox. Write code for the same and also mention the properties of ListBox and ComboBox that are required to be set. **07**

(b) Accept the enrollment number, name and marks of all subjects of semester 5 in textboxes and display the total, percentage and grade on the labels. **07**

OR

Q.5 (a) Describe the procedure to access data in databases using ActiveX Data Objects with the help of example. **07**

(b) Explain the Option Button and Check Box Control with the help of example. **07**
