

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-V- EXAMINATION – SUMMER 2016****Subject Code: 150706****Date: 17/05/2016****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) List various advantage of Visual Basic programming. **07**  
(b) What is a macro? Explain the limitations of a macro. Give an example stating application of Macro. **07**
- Q.2** (a) Explain event in VB? How can we do event driven programming in VB? Explain with the help of example. **07**  
(b) What is property window? Explain 2 properties of the following 3 controls **07**  
1. Label 2. Command Button 3. Textbox
- OR**
- (b) Explain Break Point, properties window and object browser in Visual Basic. **07**
- Q.3** (a) How do you declare variables in VBA? Explain scope and lifetime of variables. **07**  
(b) Write a VBA code which accepts a number from the user and displays the reverse of that number **07**
- OR**
- Q.3** (a) How can we access database using ADODB? Write steps for database connectivity. **07**  
(b) With the help of example explain various control structures used in visual basic programming. **07**
- Q.4** (a) What is the difference between list box and combo box? Give an example of application of list box and combo box. **07**  
(b) Write a VB program to implement Fibonacci series using Do and For loop. Assume suitable user interface and input parameters. **07**
- OR**
- Q.4** (a) What is Error? Explain run time error. Also explain how run time errors can be handled in VB. **07**  
(b) Write a function which accepts 2 numbers as arguments and returns the gcd of the two numbers. **07**
- Q.5** (a) Explain resume, resume next and resume label with examples. **07**  
(b) Write a short note: Digital signature. **07**
- OR**
- Q.5** (a) Differentiate between MsgBox and Inputbox. Give example of each. **07**  
(b) What is Frame object? How can we use it in VB? **07**

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