

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER V • EXAMINATION – WINTER - 2012

Subject code: 150706**Date: 23-01-2013****Subject Name: Visual Basic Application and Programming****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) State the difference between VB and VBA. Also explain the advantages to use VBA. **07**
- (b) 1. Describe the use of Macros. What are the limitations of Macros? **04**
2. Explain two main features of IntelliSense property of VBA. **03**

- Q.2** (a) What is Code Stepping? Explain the working of Step Into and Step Over tools. **07**
- (b) 1. Explain various events of a Form in VB. **04**
2. Explain the Lifetime of variables. **03**

OR

- (b) Take two 3*3 matrices. Ask user to input values in both matrices. Write a program to add these two matrices and display the result on a third matrix. **07**

- Q.3** (a) 1. Write a VBA code using Select-Case statement that displays the day of the week depending on the value of an integer variable. **05**
2. Give the difference between Sub procedure and Function procedure. **02**
- (b) Write a VBA code to print all values of the Fibonacci Sequence until the values exceed 1500. **07**

OR

- Q.3** (a) 1. Write a VBA code that takes time (integer) as an input from the user and prints 'Good Morning' or 'Good Noon' or 'Good Evening' message based on the time entered. **05**
2. Describe the use of GoTo statement. **02**
- (b) Write a program to check whether the Number is Palindrome or not without using string reverse operation. **07**

- Q.4** (a) Explain with example the difference between pass by value and pass by reference to pass arguments in procedures. **07**
- (b) State steps for creating ActiveX Control and how to use an ActiveX in a new project. **07**

OR

- Q.4** (a) Explain Different Types of "Resume" Statements with Example. **07**
- Q.4** (b) Define following: **07**
- [i] Database Management system
 - [ii] Primary key
 - [iii] Query
 - [iv] Foreign Key
 - [v] Data Source
 - [vi] Recordset
 - [vii] EOF

- Q.5** (a) 1. How to add an item/value into the list box? Which methods are used to remove item and to clear the list box? **05**
2. What is Menu? What is the difference between shortcut key and keyboard access key? **02**
- (b) Explain ActiveDocument, Documents collection and Selection objects in MS Word. Describe the methods used to add, save and close the document. **07**

OR

- Q.5** (a) 1. State significance of following properties of stated controls. **05**
[i] Passwordchar property of textbox
[ii] Default property of command button
[iii] Style property of option button
[iv] multiselect property of listbox
[v] listindex property of listbox
2. What is a Collection? How to add items to a collection object? **02**
- (b) What are the threats from macro Viruses? Write steps to add a digital certificate and a digital signature to macro. **07**
