

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-V • EXAMINATION – SUMMER 2014**

**Subject Code: 150706**

**Date: 24-06-2014**

**Subject Name: Visual Basic application & programming**

**Time: 10:30 am to 01:00 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 off the self product? How can we integrate them in existing application development in visual basic? **07**  
(b) Define Macro. Also explain its advantages and limitations. **07**
- Q.2** (a) Explain code window, properties window and object browser in Visual Basic tool. **07**  
(b) What is code stepping? Explain with the help of example. **07**
- OR**
- (b) What is event driven programming? List and explain various events which can be handled in Visual Basic. **07**
- Q.3** (a) Explain various control structures used in visual basic programming. Also give example of each. **07**  
(b) Define procedure and function in VB. Also compare them. **07**
- OR**
- Q.3** (a) Define variable, constant, Array, Collection in VB with the help of examples. **07**  
(b) How can we access database using ActiveX data objects? Write steps for database connectivity using ODBC. **07**
- Q.4** (a) Compare and list properties of Check box and option buttons. **07**  
(b) What is Frame? How can we use them in VB programming? Give an example. **07**
- Q.4** (a) What is Error? Explain run time error. Also explain how run time errors can be handled in VB. **07**  
(b) Write about message box and input box. **07**
- Q.5** Write a short note on any four **14**  
(a) ActiveX control  
(b) Common bar objects  
(c) Looping in VB programming  
(d) Scope of variables in VB  
(e) Dynamic Arrays