

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E 5th SEMESTER EXAMINATION – SUMMER • 2015

Subject Code: 150706**Date: 15/05/ 2015****Subject Name: Visual Basic Application & Programming****Time: 02.30pm-05.00pm****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) Differentiate VB and VBA. Also explain VBA in detail. **07**
(b) What is macro? Explain how to record and execute macro with example. **07**
- Q.2** (a) What is event? Explain various types of events with example program. **07**
(b) List out various visual basic controls and explain any three. **07**
- OR**
- (b) Differentiate (1) textbox and label (2) check box and option button **07**
- Q.3** (a) What is variable? Explain scope and lifetime of variable in detail. **07**
(b) Write a VB program to calculate area of triangle, rectangle, circle and square. **07**
Assume suitable user interface and input parameters.
- OR**
- Q.3** (a) What is array? Differentiate static and dynamic array with example. **07**
(b) Write a VB program to implement standard calculator with operation of addition, subtraction, division and multiplication. Assume suitable user interface and input parameters. **07**
- Q.4** (a) Write a VB program to implement Fibonacci series using Do and For loop. **07**
Assume suitable user interface and input parameters.
(b) Write a VB program to implement (1) Factorial of number using For loop (2) Whether a string is Palindrome or not. Assume suitable user interface and input parameters. **07**
- OR**
- Q.4** (a) What is procedure? Write a program to demonstrate it. **07**
(b) What is function? Write a program to demonstrate it. **07**
- Q.5** (a) List and explain steps to access database in VBA. **07**
(b) Write a short note: Digital signature **07**
- OR**
- Q.5** (a) What is run time error? Explain it. **07**
(b) Write a short note: Menu **07**
