

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.E SEM-V Examination-Nov/Dec.-2011**

**Subject code: 150706**

**Date: 03/12/2011**

**Subject Name: Visual Basic Applications and Programming**

**Time: 02.30 pm-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) (1) What is VBA? Give advantages of VBA. 4  
(2) Explain the following:- 3  
(i) record macro  
(ii) run macro  
(iii) delete macro
- (b) (1) Explain intellisense property with example. 3  
(2) Write steps to create macro in VBA that displays a Hello World message in message box. Also write code for it. 4

- Q.2**
- (a) Define the term event. Explain how events are triggered. 6
- OR**
- (a) Explain public, private and static 6  
(b) Explain debugging and give difference between step into and step over. 4  
(c) Explain fixed array and dynamic array with example. 4

- Q.3**
- (a) Write a program to accept percentage from user and print output. 7

Percentage	Class
0 to 35	Fail
36 to 59	Second
60 to 74	First
75 and above	Distinction

- (b) With syntax explain Do-Loop and For-Next Loop. 4  
(c) Write a program using procedure to perform addition and subtraction of two numbers. 3

**OR**

- Q.3**
- (a) Explain the following controls- 6  
(i) Label  
(ii) Textbox  
(iii) Frame  
(iv) Command button
- (b) Explain message box and input box in brief. 4  
(c) Discuss property window and toolbox in brief. 4

- Q.4 (a)** State differences between **8**  
(i) List box and combo box  
(ii) Check box and option button
- (b)** Write steps for accessing database in VBA **6**
- OR**
- Q.4 (a)** Explain the following controls- **8**  
(1) Tabstrip  
(2) Mutipage  
(3) Scrollbar  
(4) Spin button
- (b)** Explain how to create menu bar. **6**
- Q.5 (a)** Define the term digital signature and explain how to apply digital signature to macro. **07**
- (b)** How to protect VBA code using password. **07**
- OR**
- Q.5 (a)** Explain the dangers of macro virus. **07**
- (b)** Explain resume, resume next and resume label in brief. **07**

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