Seat No.: Enrolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE - SEMESTER-V EXAMINATION - WINTER 2015**

Subject Code: 150706 Date:14/12/2015			
St	ıbjec	t Name: Visual Basic Application and Programming	
Ti	me:	10:30am to 1:00pm Total Marks: 70	
Ins	structi		
	2	<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>	
Q.1	(a) (b)	State the difference between VB and VBA. Also explain the advantages to use VBA. What is a macro? Explain the limitations of a macro. Give an example stating application of Macro.	07 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>(b)</b>	What is Code Stepping? Explain the working of Step Into and Step Over tools.	07
		OR	
	<b>(b)</b>	Differentiate (1) textbox and label (2) check box and option button	07
Q.3	(a) (b)	What is Procedure? Define the scope of private and public procedure with example. Write a VBA code for storing and displaying 10 numbers in an array.	07 07
		OR	
Q.3	(a) (b)	How do you declare variables in VBA? Explain scope and lifetime of variables. Write a VB program to implement standard calculator with operation of addition, subtraction, division and multiplication. Assume suitable user interface and input parameters.	07 07
Q.4	(a)	Explain with example the difference between pass by value and pass by reference to pass arguments in procedures.	07
	<b>(b)</b>	Write a VB program to implement (1) Factorial of number using For loop (2) Check the year is leap year or not. Assume suitable user interface and input parameters.	07
O 4	(.)	OR	07
Q.4	(a)	What is Error? Explain run time error. Also explain how run time errors can be handled in VB.	07
	<b>(b)</b>	Write a function which accepts 2 numbers as arguments and returns the gcd of the two numbers.	07
Q.5	(a) (b)	Differentiate between Msgbox and Inputbox. Give example of each. Write a short note: Digital signature.	07 07
Q.5	(a) (b)	OR State steps for creating ActiveX Control and how to use an ActiveX in a new project. Explain Different Types of "Resume" Statements with Example.	07 07

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