

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. Sem. - V - Examination – June- 2011****Subject code: 150706****Subject Name: Visual Basics Application and Programming****Date: 30/06/2011****Time: 10:30 am – 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) (1) What is VBA? List various tasks which can be performed by VBA. 04**
(2) What is macro? Explain different limitations of macros. 03
- (b) (1) Explain Macro Viruses in detail. 04**
(2) What is menu? What is difference between shortcut key and keyboards access key? 03

- Q.2 (a) (1) Explain following : 05**
 [i] On Error Go To Label
 [ii] On Error Go To 0
 [iii] Resume Label
 [iv] Resume Next
 [v] exit sub
- (2) State and explain the situation where “Exit for” statement should be used. 02**
- (b) (1) What is intellisense? Explain TWO intellisense features provided by VBA with example. 04**
(2) Explain with example :: 03
 [i] compile time error
 [ii] run time error

OR

- (b) (1) List various mouse events. Explain drag over and drag drop event in detail. 04**
(2) What is debugging? State the difference between “step into” and “step over” statements. 03
- Q.3 (a) (1) VBA is not a true object oriented programming language- justify. 05**
 Also Explain following OOP properties in detail:
 [i] encapsulation
 [ii] polymorphism
 [iii] inheritance
- (2) What is keyboard Access key? How key board access key can be assigned, state with example. 02**
- (b) (1) State Use 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

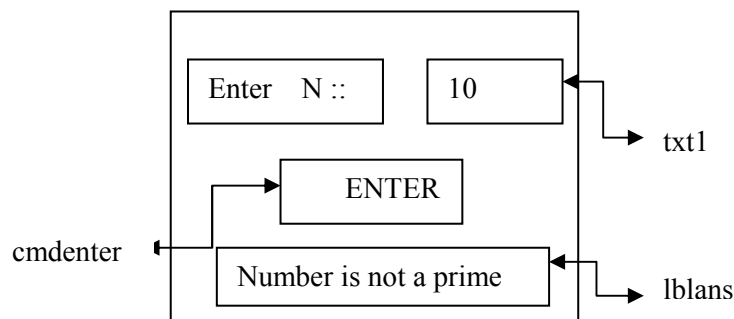
- (2) Define : 02
 [i] Private variables
 [ii] static variables

OR

- Q.3 (a)** (1) Define variable. State naming rules of identifiers/variables. 04
 (2) What is use of “with...end with” statement? State appropriate example of same. 03

- (b) (1) Explain following reasons which triggers an event in VBA: 04
 [i] User interaction
 [ii] Object event
 [iii] Operating system
 [iv] Programming events
 (2) Define – dynamic array. How we can declare an array as dynamic array? 03

- Q.4 (a)** Consider the following application , where user enters value of N in textbox- “txt1”, and on click event of command button -“cmdenter”, label – “lblans” displays whether N is prime number or not. 07



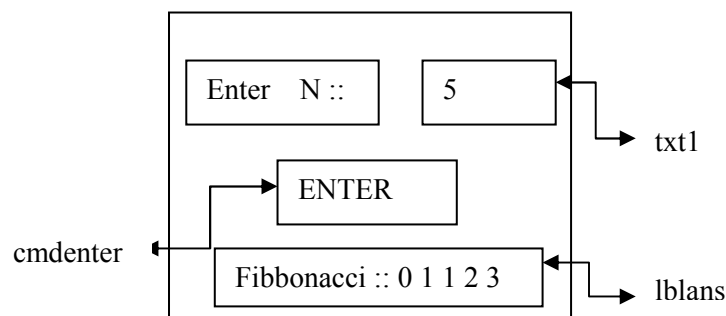
Write your code for cmdenter – command button’s click event, which checks whether value entered in txt1- textbox is Prime number or not and displays answer in lblans – label.

```
Private Sub cmdenter_click()  
‘ write your code here  
End Sub
```

- (b) (1) Explain need of adding ActiveX control. Also discuss how ActiveX created once can be used in different projects. 05
 (2) What is difference between sub procedure and event procedure? 02

OR

- Q.4 (a)** Consider the following application, where user enters value of N In textbox- “txt1”, and on click event of command button -“cmdenter”, label – “lblans” displays Fibbonacci series till N terms. 07



Write your code for cmdenter – command button’s click event, which generates fibonacci series till N and Displays answer in lblans – label.

```
Private Sub cmdenter_click()  
‘ write your code here  
End Sub
```

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|------------|-----|-----|--|-----------|
| | (b) | (1) | State steps for creating ActiveX Control. | 05 |
| | | (2) | What is difference between sub procedure and function? | 02 |
| Q.5 | (a) | (1) | Define following:
[i] Database Management system
[ii] Primary key
[iii] Query
[iv] Foreign Key | 04 |
| | | (2) | State use of message box and input box . | 03 |
| | (b) | (1) | What is difference between arguments “pass by value” and “pass by reference” to procedure ? | 04 |
| | | (2) | Explain Object Browser. | 03 |
| | | | OR | |
| Q.5 | (a) | (1) | State Use of following properties of stated controls :
[i] connect property of Data control
[ii] recordsource property of Data control
[iii] data source property of text box
[iv] data field property of text box | 04 |
| | | (2) | What is common dialog box? List all common dialog boxes. | 03 |
| | (b) | (1) | Explain Err Object in detail. | 05 |
| | | (2) | What is digital signature in context of Macro? | 02 |
