

This question paper contains 4+2 printed pages]

*Your Roll No.*

1216

**B.A. Prog./III**

**C**

**COMPUTER APPLICATION PAPER-III-(B)**

**(Programming in Visual Basic)**

**(Admissions of 2004 and onwards)**

*Time : 3 Hours*

*Maximum Marks : 45*

*Write your roll No. on the top immediately on receipt of this question paper.*

Question No. 1 (Part A) is compulsory. Answer any  
three questions from Part B (Q. No. 2 to Q. No. 6)

Parts of a question should be answered together.

**Part A**

1. (a) How can you change the properties of multiple controls  
simultaneously in VB ? 2
  
- (b) Write a program in VB to print whether the input  
number is even or odd 2

**P.T.O.**

- (c) What is the purpose of keyboard access keys ? How can you define them in your project ? How do they operate at runtime ? 3
- (d) What are the uses of integer and single precision data types ? 2
- (e) What is the output of the following : 3

```
Printer.print "Item", "Price"
```

```
Printer.print "Coffee", 25
```

```
Printer.print "Tea"; 15
```

```
Printer.print 1; 2; 3; 4; 5; 6; 7
```

```
Printer.print "A", "B", "C"
```

```
Printer.print "A"; "B"; "C"
```

- (f) What will be the output of the following VB statements : 3

(i) Right ("London Eye", 3)

(ii) Mid ("Washington" 4, 5)

(iii) Mid ("Kolkata", 4)

**Part B**

2. (a) State naming rules and conventions for objects and variables in VB. 1
- (b) What is a VB event ? Given examples of any *two* objects and *two* events in each case. 4
- (c) What is a ToolTip ? How can you make a ToolTip appear ? 2
3. (a) What will be the output of the following statements ? 3
- (i) `FormatDateTime ("1/1/2001", vbGeneralDate)`
- (ii) `FormatNumber (2356.789, 2)`
- (iii) `FormatPercent (.123, 2)`
- (b) What will be the resulting value of K on execution of the following VB statements (Assume that  $x = 2, y = 3, z = 4$ ) ? 4
- (i)  $k = y \wedge (x + z) * 2$
- (ii)  $k = y \wedge (x + z * 2) / y$

- (c) What will be the output of the following code segment in VB (Assume that a = 10, b = 20, c = 30) ? 3

```
If (a > = 10) And (b > 20) Then
```

```
    Print "Hello"
```

```
Elseif (a > = 10) And (c > 30) Then
```

```
    Print "Hi"
```

```
Else
```

```
    Print "Bye"
```

```
End If
```

4. (a) What will be the output of the following : 2

```
Text 1. Text = 123
```

```
If Not IsNumeric (Text 1. Text) Then
```

```
    MsgBox "Valid", vbOKOnly
```

```
Else
```

```
    MsgBox "Invalid", vbCritical
```

```
End If
```

- (b) Describe the use of Clear method and Listindex property for a List Box with the help of a suitable example. 1
- (c) What are different ways by which values can be passed to procedures ? Give suitable examples. 4
5. (a) Describe the structure of user defined Data Type in VB. Illustrate using a suitable example. 3
- (b) How is DataControl used in VB ? Also list some of its important properties. 3
- (c) Write a program in VB to output the sum of numbers 1 to 10 using either Do/Loop or For/Next Loop. 4
6. (a) Illustrate OnError statement and two of its forms with the help of an example in each case. 4

- (b) Design a Form and write suitable code in VB to calculate and display the average of Gross Salary and Net Salary of five employees based on their Basic Salary, Allowance and Deductions entered by the user :

$$\text{Gross Salary} = \text{Basic Salary} + \text{Allowances}$$

$$\text{Net Salary} = \text{Gross Salary} - \text{Deductions}$$

Also draw the user interface and label the controls. 6