917   *Your Roll No.* ....

B.A. Prog./III.   A

(L)

COMPUTER APPLICATION

Paper III (B) (Elective II)

(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.)*

Answer **all** *questions.*

1. (a) What do you mean by Visual Basic method ?

    (1)

    (b) What is the context sensitive help ?   (1)

    (c) What is the use of Password char property ?
    Which controls property is it ?   (2)

    (d) How are objects and properties related to each
    other ?   (1)

    (e) What is the purpose of the following VB file
    types : .bas and .ocx ?   (1)

(f) Describe any four data types in VB. (2)

(g) What do you understand by a 'tooltiptext' property ? (1)

2. (a) Explain the Format Date Time function with an example. (1)

(b) Differentiate between the following :

    (i) Constant and variable

    (ii) StepInto and StepOver

    (iii) Option Button and Check Box   (3×1=3)

(c) What is the purpose of Val function ? (1)

(d) What is default property of a control ? Give example. (1)

(e) Explain the use of Load and Unload statement in Visual Basic. (2)

(f) What is the use of Project Explorer window in VB ? (1)

3. (a) What do you understand by 'Me' keyboard ? (1)

(b) Write the appropriate code to calculate the 'Total Charges' in the form below :

```
┌─────────────────────────────────┐
│  Name of User      [_____]   │
│  Units consumed    [_____]   │
│  Total charges     ─────────    │
│    [Calculate]    [Cancle]      │
└─────────────────────────────────┘
```

The electricity board charges the following rates to domestic users for consumption of electricity :

For first 100 units   – Rs. 1.50 per unit

101 – 300 units   – Rs. 2.00 per unit

Beyond 300 units   – Rs. 2.50 per unit

All users are charged a minimum of Rs. 100 as meter charges.   (5)

(c) What is the purpose of Printer.Print statement ?   (1)

(d) What is Mid( ) function ? Give example of using Mid( ) function.   (2)

4. (a) Write a function in VB to sum the digits of an integer number entered in a text box. Display the result on the label.   (3)

(b) Differentiate between data control and data bound control.   (2)

(c) Write a function COMPUTE in VB to calculate
the value of

$$X \wedge Y + Y/3 + Z$$

where X = 2, Y = 3 and Z = 4.   (2)

(d) How are errors handled in VB ?   (2)

5. (a) What is the use of user-defined data types in
VB ?   (2)

(b) Write a program in VB to add two 3×3 matrices.
(3)

(c) Differentiate between function and procedure.
(2)

(d) Write the procedure to add and remove form from
a VB project.   (2)