

[This question paper contains 4 printed pages.]

Sr. No. of Question Paper : 130

E

Your Roll No.....

Unique Paper Code : 234552

Name of the Course : B.A. (Prog.)

Name of the Paper : Visual Programming – I

Semester : V

Duration : 3 Hours

Maximum Marks : 45

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Section – A is compulsory.
3. Attempt any three questions from Section – B.

SECTION – A

1. (a) Describe the use of “Option Explicit” statement in the General Declaration section. (1)
- (b) What do you mean by event driven programming language ? Name any two events. (3)
- (c) Explain three types of errors. (6)
- (d) What is Focus for control ? Name the method to set focus on an object. (2)
- (e) What will be the value of the string variable A
(i) A = “B.A” & “First”

P.T.O.

(ii) $A = \text{Left}(\text{"wonderful"}, 3)$

(iii) $A = \text{Mid}(\text{"wonderful"}, 4, 3)$ (3)

SECTION – B

2. (a) Write code in VB to change the background colour of the form depending on the selection of the option buttons. Shown as

<p><input type="radio"/> Red</p> <p><input type="radio"/> Blue</p> <p><input type="radio"/> Green</p>

(4)

- (b) What will be the value of A in the given expression ?

$B = 3, C = 24$

$A = B * 2/3 + C/2^3$ (1)

- (c) Write a VB Program to check whether a given number is even or odd. (3)

- (d) Explain the difference between Step Into and Step Over. (2)

3. (a) Explain the purpose of Name property of a control with example ? (2)

- (b) What value is set in value property of check box if it is

(i) unchecked

(ii) grayed (2)

- (c) What does cmdDisplay_click means ? (2)

- (d) Write a VB Program to calculate compound interest as per the given formula

$$I = P * (1 + R/100)^N$$

Where P is Principal amount, R is rate of interest and N is number of years. (4)

4. (a) Write VB code to calculate the following :

$$1 + 2 + 3 + 4 + \dots + n \quad (4)$$

- (b) Name the control and the purpose for the following objects :

(i) cmdOk

(ii) imgFlag

(iii) fraColor

(iv) optRed (4)

- (c) Explain the purpose of relational operators and logical operators ? (2)

5. (a) Write VB code to calculate grade of a student on the basis of following criteria :

If $80 \leq \text{marks} \leq 100$ then grade A

$60 \leq \text{marks} < 80$ Grade B

$40 \leq \text{marks} < 60$ Grade C

< 40 Grade D (6)

- (b) Write VB code to calculate the factorial of a number n. (4)

6. (a) Name the property of the textbox that enables displaying text in multiple line inside the Textbox. (1)

- (b) Explain different types of Do/Loops. Also give suitable examples. (4)

(c) Write the output of the following code.

```
For counter=10 to 100 step 10
```

```
    Print counter
```

```
Next counter
```

(2)

(d) Explain any three data types available in VB.

(3)