

IV/BCA/405

*Prave*

2016

( 4th Semester )

BACHELOR OF COMPUTER APPLICATIONS

Paper No. : BCA-405

( GUI Programming )

( New Course )

Full Marks : 75

Time : 3 hours

( PART : B—DESCRIPTIVE )

( Marks : 50 )

*The figures in the margin indicate full marks  
for the questions*

1. (a) What is Visual Basic? Explain Visual Basic IDE. 5
- (b) What is data type? Explain various data types in VB. 5
- Or *mm*
- (c) Define array. Write how to declare array in VB with syntax and example. 5
- (d) Explain various relational and logical operators in VB. 5

G16/386a *mm*

*mm* ( Turn Over )

( 2 )

2. (a) What are looping and branching?  
Explain with suitable example Select  
Case structure. 5

(b) Write how to create a setup application.  
Explain how to deploy Web application. 5

Or

(c) What do you understand by event-driven  
programming in VB? Write down a few  
events of a VB form. 5

(d) Write the differences between Web form  
and Windows form. Explain web forms  
for client and server side processing. 5

3. (a) Define the following terms : 5

(i) OLE DB

(ii) OLE DB connection

(iii) Provider

(iv) Data source

(v) Data explorer

(b) What are the differences between Combo  
box and List box controls? Explain with  
examples. 5

Or

(c) Explain with suitable example how to  
connect MS-Access database with VB. 5

(d) What is common dialog control? Explain  
any two methods and property with  
examples. 5

4. (a) What is OOP? Explain the principle and feature of OOP. 5
- (b) What are the common types of error in VB? Explain how to handle error using TRY-CATCH method with example. 5

Or

- (c) What are status bar, name space and timer control? Give suitable examples. 5
- (d) What is .net framework? Define CLR, CTS and CLS. 5
5. (a) What are contractor, inheritance and polymorphism? What are their advantages? 5
- (b) Explain how to create a simple ASP.NET Web application with suitable example. 5

Or

- (c) What is function? Write how to declare and call function. 5
- (d) Define form in VB. What are the common properties of form? 5

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