

**CREDIT BASED FIFTH SEMESTER B.Sc. DEGREE EXAMINATION APRIL 2016****COMPUTER SCIENCE****PAPER V – VISUAL PROGRAMMING USING VB. NET**

Time: 3 Hrs

Max. Marks: 80

**PART – A****1. Answer any TEN questions from the following: 2x10=20**

- a) What is .Net framework?
- b) Expand CLR and MSIL.
- c) Evaluate  $8+10/5*6 \setminus 5$
- d) What is an array? How do you declare array in VB.Net?
- e) Differentiate between visible and enable properties.
- f) What is MDI? Why is it used?
- g) Write the use of Autosize and Textalign properties of label.
- h) Differentiate between Checkbox and Radiobutton.
- i) What is error? Mention different types of errors.
- j) What are data adapter and datasets?
- k) Differentiate between groupbox and panels.
- l) What do you mean by overriding? Give example.

**PART – B****Answer any TWO questions from each unit.****UNIT – I**

2. a) Explain Properties window, solution Explorer and object browser. (6)
- b) Explain any four datatypes available in VB.Net. (4)
3. a) Explain IF—THEN...ELSE statement with syntax and example. (5)
- b) Explain various relational and logical operators available in VB.Net. Give examples. (5)
4. a) Write a note on enumerated datatypes. (4)
- b) Differentiate between FOR.. NEXT and DO Loop statements with syntax and example. (6)

**UNIT – II**

5. a) Explain multiline, passwordchar, readonly, scrollbar and textlength properties of textbox. (5)
- b) Write a note on MsgBox ( ) function and InputBox ( ) function (5)

6. a) Write a note on Dialogboxes. (5)  
b) Explain any five methods of a form. (5)
7. a) Explain the terms: Encapsulation, Inheritance and Polymorphism. (6)  
b) What is constructor? Write the features of it. (4)

### UNIT – III

8. a) What are exceptions? How do you handle exception in VB.NET? Explain. (6)  
b) Explain the two types of databinding. (4)
9. a) Explain any six ADO.NET objects. (6)  
Explain any two properties and methods of Data Adapter class. (4)
10. a) Explain architecture of ADO.NET object model. (6)  
b) Explain navigating methods of data control. (4)

\*\*\*\*\*

COS 501.1

Reg. No. ....

CREDIT BASED FIFTH SEMESTER B.Sc. DEGREE EXAMINATION OCTOBER 2013

**COMPUTER SCIENCE**

PAPER V – VISUAL PROGRAMMING USING VB.NET

Time: 3 Hrs

Max. Marks: 80

**PART – A**

1. Answer any TEN questions from the following:

10x2=20

- a) Which are the arithmetical operators available in VB. Net?
- b) Differentiate between fixed length and variable length strings.
- c) What is array? How do you declare two dimensional array?
- d) Explain round( ) and ceiling ( ) mathematical functions.
- e) How does an MDI form differ from a standard form?
- f) Differentiate between combo box and list box.
- g) Explain two string concatenation operators with example.
- h) What are class and objects?
- i) Why finally block is used?
- j) How to create an object for dataadapter?
- k) Write any two advantages of ADO.Net.
- l) How to connect database to VB. Net using ADO.Net.

**PART – B**

Answer any TWO questions from each unit.

**UNIT – I**

2. a) Explain the features of VB.Net.  
b) Write a note on properties window and output window. (5+5)
3. a) Explain any five IDE menu options.  
b) Differentiate between For....Next and For Each....Next looping statement. (5+5)
4. a) Explain various data types used in VB.Net.  
b. Explain 'Select Case' statement with syntax. Give example code. (6+4)

**UNIT – II**

5. a) Explain the following properties of form.  
i) Start position ii) Windowstate  
iii) Autoscroll iv) Borderstyle  
v) Controlbox
- b) Write a note on method overload and method override. (5+5)
6. a) Explain any four text manipulating properties.
- b) Write a note on inputbox ( ) (8+2)
7. a) What are the different types of procedures used in VB.Net? Explain any one.
- b) Write a note on inheritance and interface. (6+4)

**UNIT – III**

8. a) Discuss the any five advantages of ADO.Net.
- b) Explain the architecture of ADO.Net object model. (5+5)
9. a) What is exceptions? Write a program for the same using try-catch-finally blocks!
- b) Write a note on simple and complex binding. (5+5)
10. a) Explain any two properties and any two methods of dataset class.
- b) Explain how to create, retrieve and update a data table with sample code. (4+6)

\*\*\*\*\*

**COS 501.1**

**Reg. No. ....**

**CREDIT BASED FIFTH SEMESTER B.Sc. DEGREE EXAMINATION OCTOBER 2014**  
**COMPUTER SCIENCE**  
**PAPER V – VISUAL PROGRAMMING USING VB.NET**

**Time: 3 Hrs**

**Max. Marks: 80**

**PART – A**

**1. Answer any TEN questions from the following:**

**10x2=20**

- m) What is .net frame work?
- n) Differentiate between Static and dynamic array declaration.
- o) How do you convert a text box to a text area? Write the statement to design a textbox during runtime.
- p) Mention the different types of variables used in VB.Net.
- q) How do you declare a constant? Explain with the help of an example. Also define the term constant.
- r) Write and explain the syntax to define a class.
- s) List different ways of arranging MDI child forms?
- t) What are constructors? How do you define super class constructors.
- u) Write any two advantages of ADD.Net.
- v) List any four exceptions used in VB.Net.
- w) What is the purpose of Redim and Preserve keyword.
- x) How do you declare one dimensional and two dimensional array in VB.Net.

**PART – B**

**Answer any TWO questions from each unit.**

**UNIT – I**

- 2. a) Explain the different forms of Do-Loop. And compare the working of each type of Do-loop constructs.
- b) Write a note on common Language Runtime? **(6+4)**
- 3. a) Explain the different scope of a variable with the help of an example.
- b) Differentiate between For...Next and For Each- loop with the help of an example.**(6+4)**
- 4. a) Explain the following three components of visual studio IDE.  
(i) Code designs (ii) Object browser (iii) Solution Explorer.
- b. Write any two methods of string class and explain each with the help of an example.**(6+4)**

**UNIT – II**

- 5. a) Write and explain any two properties of the following controls without repetition.  
i. Textbox 2. Check box 3. Form
- b) How do you create a Abstract class? Explain with the help of an example. **(6+4)**
- 6. a) Explain the term overloaded ourriden and shadowing.

b) Write a note on MDI form? (6+4)

7. a) What is sub procedure? Explain with the help of an example. How does it differ from a Function.

b) Explain any two methods of Rich text Box. (6+4)

### UNIT – III

8. a) Explain the architecture of ADO. Net object model.

b) Explain the two types of Data Binding (6+4)

9. a) What are Exceptions? How do you handle exception in VB.Net? Explain in detail.

c) Write and explain any two properties and methods of Data Adapter class. (6+4)

10. a) Explain any six ADO.NET objects.

b) How do you implement user defined exception handling in VB.Net. (4+6)

\*\*\*\*\*

COS 501.1

Reg. No. ....

CREDIT BASED FIFTH SEMESTER B.Sc. DEGREE EXAMINATION OCTOBER 2015

### COMPUTER SCIENCE

PAPER V – VISUAL PROGRAMMING USING VB.NET

Time: 3 Hrs

Max. Marks: 80

### PART – A

1. Answer any TEN questions from the following:

10x2=20

y) List any four features of VB.Net IDE.

z) Differentiate between / and \ arithmetic operators with example.

aa) What is meant by variable length string? How do you declare it?

bb) Explain For Each... Next Statement.

cc) What is an event? Explain with an example.

dd) Differentiate between radio button and checkbox.

- ee) What is the purpose of wordrap and multiline properties of textbox?
- ff) How do you add items to a list box during run time? Give an example.
- gg) What is abstract class?
- hh) What is meant by exception?
- ii) How to create data set in VB.Net?
- jj) What is the purpose of property procedure?

### **PART – B**

**Answer any TWO full questions from each unit.**

#### **UNIT – I**

2. a) Explain the components of .Net framework.
- b) Explain any five data types available in VB.Net. **(5+5)**
  
3. a) What is an array? Explain declaration initialization, reinitialization and preserve keyword of an array.
- b) Explain the syntax of while and do... loop statements. Compare them with suitable example. **(5+5)**
  
4. a) Explain any four methods of string class. Give example.
- b. Explain various comparison operators. **(6+4)**

#### **UNIT – II**

5. a) Explain any four methods of a form with example.
- b) Write a note on various buttons and icons that can be used with MsgBox ( ). **(6+4)**
  
6. a) Explain various text selection properties and its relevant methods used with the textbox.
- b) What are the features of MDI form? **(6+4)**
  
7. a) Write a program to accept student details such as Roll No., Name, Class and Total Marks. Apply the following validation.
  - Roll No. should be numeric
  - Total Marks should be within 0 t 300. and should be numeric.
 Display all the details through MsgBox.
- b) What are the various ways of arranging MDI child windows? Explain. **(6+4)**

#### **UNIT – III**

8. a) Explain try and catch blocks used in VB.Net with an example code.  
b) Explain Disconnected Data Access. **(6+4)**
9. a) Explain any two properties and any two methods of command class.  
d) Write an VB.Net code to view data from the database table using data grid control **(6+4)**
10. a) Differentiate between simple and complex binding.  
b) How to insert retrieve and update data from tables. Explain with the help of a example. **(5+5)**

\*\*\*\*\*