

2061

Bachelor of Computer Application

Sixth Semester

BCA-16-602: Application Development Using VB.NET

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Attempt the following:-

- a) What is the purpose of CLR? Discuss in brief. (2)
- b) What is the purpose of Solution Explorer in Visual Studio? Discuss in brief. (2)
- c) Give the syntax of Function statement. (2)
- d) List any four logical operators available in VB.NET. (2)
- e) What is ASP.NET? What is it used for? (2)
- f) Differentiate between connected and disconnected programming environment supported by ADO.NET. (2)
- g) What is a cookie? (1)

UNIT - I

II. Discuss the utility of following controls with the help of suitable examples and code snippets:
TextBox, CheckBox, Button, ListBox
Also highlight the important properties and methods of these controls. Appropriately assume any required information yourself. (13)

- III. a) Write a note on the history and features of .NET Framework.
- b) What is the use of SaveFileDialog control? What are its important properties and methods? Discuss the utility of this control with the help of a suitable example and code snippets. (6,7)

UNIT - II

- IV. a) Explain the syntax and flow diagram of While....End While Loop and use this loop to find the sum of first n numbers. Appropriately assume any required information yourself.

P.T.O.

(2)

- b) What is an Input Box? What is its purpose? Write suitable code snippets to demonstrate the utility of InputBox function. (6,7)

V. a) What is an array? What are the benefits of arrays? How arrays are created and accessed in VB.NET? Write a program to display the maximum and minimum element of an array. Appropriately assume any required information yourself.

- b) What do you understand by string functions? Discuss any three and their usage with the help of suitable code snippets. Appropriately assume any required information yourself. (8,5)

UNIT - III

- VI. a) What are Web Forms? Write a short note on their advantages and features.
b) What are web services? What are their advantages and disadvantages? Discuss. (6,7)

VII. What do you understand by validation controls? Explain the purpose and utility of following controls with the help of suitable code snippets:

- a) RequiredFieldValidator
- b) CompareValidator
- c) ValidationSummary (13)

UNIT - IV

- VIII. a) What is ADO.NET? Briefly (discuss ADO.NET Object Model.
b) Write a short note on the concept and utility of ADO.NET DataReader. (7,6)

IX. Write suitable code / code snippets to demonstrate how ADO.NET can be used to perform insert, update and delete operations on the following table:

Book (BookID, Title, Authors, Publisher, Price, Edition, YearOfPurchase)

Appropriately assume any required information yourself. (13)