

2021
B.A./B.Sc. (General) Fifth Semester
Computer Application
CA-09: Programming with VB.NET

Time allowed: 3 Hours

Max. Marks: 30

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. What is Microsoft .Net framework? Discuss the integrated development environment of Visual Studio.Net highlighting main components and their relevance. (6)
- II. Explain steps involved in adding text box, check box, button, and picture box to forms. Write a note on enabling and disabling controls. (6)

UNIT - II

- III. Explain major features of VB.Net as an object oriented programming language. Discuss various selection control structures available in VB.Net with suitable examples. (6)
- IV. Write short note:-
 - a) VB.Net repetitive structures
 - b) VB.Net Operators (2x3)

UNIT - III

- V. Describe major form events available in VB.Net. Write steps involved in creating message box and input box with suitable sample code. (6)
- VI. Discuss usage of various string functions with sample codes. How menus are designed using MenuStrip control? (6)

UNIT - IV

- VII. Discuss ADO.Net Object model highlighting its major components. Explain various operations in ADO.Net. (6)
- VIII. Write short note:-
 - a) Data Grid view usage
 - b) Data Adapter and data sets (2x3)

P.T.O.

(2)

UNIT - V

IX. Attempt the following:-

- a) How is the tab order of a control set?
- b) What is the relevance of Object browser?
- c) How concatenation is used in VB.Net?
- d) Write note on code editor.
- e) What is the startup form?
- f) Define the role of data reader.

(6x1)

x-x-x

C4KNOWLEDGE SEEKERS