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Reg. No. :

Code No. : 20120 E Sub. Code : CMCA 63

B.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2025.

Sixth Semester

Computer Application — Core

VB.NET

(For those who joined in July 2021 and 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which component of the .NET Framework manages code execution?
(a) CLR
(b) CLS
(c) CTS
(d) JIT

2. _____ keyword is used for inheritance in VB.NET.
(a) Implements (b) Inherits
(c) Extends (d) Derives
3. _____ tool is used to design a Windows Form in Visual Studio.
(a) Form Designer Window
(b) Code Editor
(c) Toolbox Manager
(d) Solution Explorer
4. Which event is triggered when a form is about to close?
(a) FormClosing (b) Unload
(c) Exit (d) OnClose
5. Which control allows the user to select numeric values by clicking arrows?
(a) NumericUpDown (b) SpinBox
(c) DomainUpDown (d) CounterBox
6. Which method is used to handle exceptions in VB.NET?
(a) Try-Catch (b) Error-Handler
(c) HandleException (d) CatchError

7. Which component is used to manage in-memory data in ADO.NET?
- (a) DataSet (b) DataTable
(c) DataAdapter (d) DataReader
8. Which XML class in VB.NET is used to read XML data sequentially?
- (a) XmlReader (b) Xml Writer
(c) XmlSerializer (d) XmlNavigator
9. Which property is used to sort data in a DataView?
- (a) Sort (b) OrderBy
(c) Filter (d) DataOrder
10. Which of the following is a communication protocol used by Web Services?
- (a) SOAP (b) FTP
(c) SMTP (d) UDP

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain window forms in VB.NET.
Or
(b) Describe class library object in VB.NET.
12. (a) Explain about designer window.
Or
(b) How will you add properties to window?
13. (a) Illustrate about adding control in VB.NET.
Or
(b) Explain menu creation in VB.NET.
14. (a) Describe simple data binding with example.
Or
(b) How will you use XML data in VB.Net?
15. (a) Explain about Disco in detail.
Or
(b) Discuss about how to invoke web services.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss about the .NET frame work architecture.

Or

- (b) Illustrate how to implement inheritance in VB.NET 2005.

17. (a) Explain the usage of application class and message class in VB.NET.

Or

- (b) Elucidate event handling in VB.NET.

18. (a) Explain the functions of dialog boxes with example program.

Or

- (b) Describe creating multiple document interface with example.

19. (a) Explain about creating and managing .NET assemblies.

Or

- (b) Describe ADO .NET object model in detail.

20. (a) Explain the structure of SOAP in detail.

Or

- (b) Discuss about challenges in creating web service project.