

2023

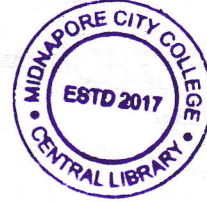
BCA 5th Semester Examination

(DOT NET TECHNOLOGY)

PAPER — 3103

Full Marks : 70

Time : 3 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

Answer Q. No. **1** and *any five* from the rest.

1. Answer *any five* questions : 2×5=10

(a) List out the different types of applications
that can be created on .net.

(b) List down the events in life cycle of a web
page.

/750

(Turn Over)

(2)

- (c) How to add the server-side controls to web form?
- (d) What is the use of data set in ADO.NET?
- (e) Discuss the reason for doing the Serialization of object.
- (f) Why do we need virtual directory?
- (g) -Name the benefits provided by XML classes in .NET.
- (h) List the information stored in the configuration file for remoting.
- 2. Explain briefly about the following features of ADO.Net :
 - (i) Handling Exceptions
 - (ii) Validating Controls
- 3. Explain in detail about Session Management Techniques and Creation of Virtual directory for a web application using ASP.NET. 6+6=12

/750

(Continued)

(3)

- 4. What are the steps to link SQL Server with ADO.NET? Write a program for maintaining the student information (roll number, name, address and phone number) using ADO.NET and SQL Server. 6+6=12
 - 5. Explain how to create MDI Form with example. Describe how to read and write the streamed XML in .NET. 6+6=12
 - 6. Explain the encryption technologies applied in .NET with example. Illustrate standard controls and components of windows forms in .NET. 6+6=12
 - 7. How can we create class and data members in VB.NET? Explain with example. Explain the concept of Inheritance in VB.NET. 6+6=12
 - 8. Write short notes on **any two** of the following :
 - (i) JIT compilation
 - (ii) Garbage collection
 - (iii) CLR
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BCA/5th Sem/3103/23

BL24/1(085)—360