

January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_83383_DOT NET Technology_16.01.2023_02.30 PM To 05.30 PM

Subject Code: 83383

Day and Date: Monday, 16-01-2023

Time: 02:30 pm to 05:30 pm

Total
Mark
s: 70

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

Que.1 and Que. 6 are compulsory Attempt any three Questions from Que. No.2 to

Que. No. 5

Q.1. A. Multiple Choice Questions(10)

[20]

1. The _____ is the execution engine for .NET applications and servers as the interface between .NET applications and the operating system.

- a) Common Language Specifications
- b) Common Language Runtime
- c) Common Type System
- d) Framework Class Library

2. _____ describes how types are declared, used, and managed in the runtime.

- a) Common Language Specifications
- b) Common Language Runtime
- c) Common Type System
- d) Framework Class Library

3. _____ is a code that consists of CPU and platform-independent set of instructions, which can be easily converted to native code.

- a) JIT
- b) FCL
- c) DLL
- d) MSIL

4. Which is not an ADO.NET DataAdapter Object?

- a) OleDbDataAdapter
- b) SqlDataAdapter
- c) QueryDataAdapter
- d) Both a and b.

5. To check the status of the connection, _____ property is useful

- a) ConnectionStatus
- b) Status
- c) State
- d) ConnectionState



6. Which of the following is not DataReader Method ?

- a) NextResult
- b) GetName
- c) GetValue
- d) GetDataTypes

7. Dataset is _____ type object

- a) Connected
- b) Disconnected
- c) A and B both
- d) None of the Above

8. The _____ control tests to validate a value entered into control like textbox fall within an expected range.

- a) validation summary.
- b) requiredfield.
- c) boundary validator.
- d) rangevalidator.

9. _____ object is used to fill a DataSet/DataTable with query results in ADO.net.

- a) DataReader
- b) Dataset
- c) DataAdapter
- d) DataTables

10. The first event triggers in an aspx page is.

- a) Page_Init()
- b) Page_Load()
- c) Page_click()
- d) Page_hover()

B. Short Answer Questions (Solve Any Two)

- 1) Explain the CTS, CLS and CLR Execution.
- 2) What is type casting? Explain the concept of boxing and unboxing.
- 3) Explain connected and disconnected architecture.

Q.2. Explain details about the .NET Framework Architecture. [10]

Q.3. State and explain various types of Data types supported in C#. [10]

Q.4. Explain various validation controls available in .NET. [10]

Q.5. Describe details about the Features and Architecture of ADO.Net? [10]



- Q.6. Write notes on (Any Four)
- a) Types of JIT compilers
 - b) Features of .NET
 - c) State management in ASP.net
 - d) Data binding using ADO.net
 - e) Looping statements in C#
 - f) Navigation Controls

[20]



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