

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2026

Course	: BCAR	Date	: 09-07-2026
Subject Code	: BCA-504 / BCAR-504	Time	: 11:30am to 01:45pm
Subject Name	: Internet Programming (ASP.NET Using C#)	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30 Marks)

1. Compare ASP and ASP.NET. Explain the server-side technology Vs. client-server architecture.
2. Define Properties in C#. Explain the use of Get and Set accessors.
3. Explain the concept of Inheritance in C#. Discuss the different types of inheritance supported by C# and provide an example implementation.
4. Define Multithreading in C#. Explain the Thread class properties and methods and describe how to manage thread lifetimes.
5. Explain the exception with its types. How to handle errors in C# with example.

Section B

Answer the following (Attempt any four) (20 Marks)

1. Write note on .net framework architecture with diagram.
2. Describe loop control structure in C# with do while loop.
3. What is an Interface in C#? What are the rules for implementing interface members?
4. Explain the difference between FileStream, StreamReader, and StreamWriter classes for File I/O operations.
5. Write a shot note on structures in C#.
6. Describe operator overloading with example.

Section C

Part – A (Multiple Choice Questions) (10 Marks)

1. In ASP.NET architecture, which directory is used to store database files?
A. Bin
B. App_Data
C. App_Code
D. App_Themes
2. Where should pre-compiled class files (.dll) be placed?
A. Bin
B. App_Data
C. App_Code
D. App_GlobalResources
3. What is the file extension for a Web User Control?
A. .aspx
B. .asmx
C. .ascx
D. .cs
4. Which keyword is used to inherit from a base class in C#?
A. extends
B. implements
C. :
D. #
5. Which keyword is used to create an instance of a class in C#?
A. create
B. new
C. make
D. init
6. Which keyword is used to define an interface in C#?
A. abstract
B. class
C. interface
D. override
7. Which characters are used for a single-line comment in C#?
A. //
B. /*
C. <!--
D. <?

8. Which of the following is a Value Type in C#?
A. Class
B. String
C. int
D. Delegate
9. Which value is NOT a valid ThreadPriority in C#?
A. Normal
B. Highest
C. Average
D. Lowest
10. Which method changes a thread's state to 'Running'?
A. Join()
B. Abort()
C. Sleep()
D. Start()

Part - B (Do as Directed) (10 Marks)

1. Write full form of CLR.
2. FCL and CLR are components of the .NET Framework. True/False.
3. In the Code-Behind model design and code are kept in same files. True/False.
4. The _____ keyword is used to create an object of a class.
5. Interfaces allow for multiple inheritance of implementation. True/False
6. In multicast delegates, the _____ or _____ operator is used to add methods.
7. The _____ block is always executed, regardless of whether an exception occurs.
8. C# uses the _____ operator to define inheritance for a class.
9. Which method suspends the current thread for a specified time?
10. XML documentation comments use which symbol?
